SIEMENS

UROSKOP Access

SP

Installation and Start-up

System

Camera Information for UROSKOP Access FLC VD46A

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General Information

Block Diagrams

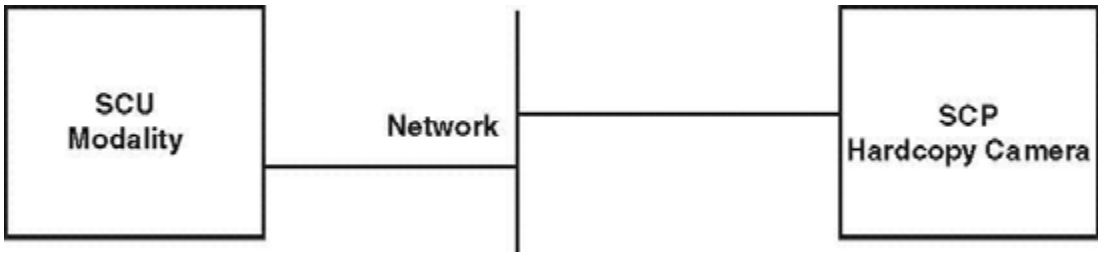

Fig. 1:

System references

See Siemens Intranet Med:

Product Information → For Service/SP/Litho/Uro/PTherapy/UROSKOP ACCESS/CB-Doc

The CB-Doc contains:

- Camera Information; Document Installation and Startup; Camera Installation; Hardcopy Camera Information UROSKOP Access VD46A (SPL5-330.814.32.xx)
- IQAP; Document “Quality Assurance; IQAP” (SPL5-330.820.02.xx)

Camera Information comprises:

- General Hardcopy Camera Information — for this information
- Specific Hardcopy Camera Information — for DICOM HCCs

NOTE

The UROSKOP Access FLC always outputs LINEAR image data. No LUT settings are possible. The desired FLC LUT will be performed by the HCC. See specific HCC information. Printer settings configuration by HCC service.

Hardware components

Refer to chapter (System references / p. 7).

Restrictions

This Documentation

All documents entitled "Uroskop Access Camera Installation" (i.e. "General HCC Information ..." and "Specific HCC Information ...")

- contain **only** a brief overview of the modality parameter setting (for details, see the instructions for the particular system according to chapter (System references / p. 7)) **but** all information for the particular HCCs
- are supplements and do **not** replace any other document for the particular system.

Film Sizes / Formats

DICOM Connection

The camera config files (refer to the chapter Specific Hardcopy Camera Info) contain all sizes and all formats (subdivisions) which are configurable with UROSKOP Access (depending on version) and the specific OEM device (see also chapter (Film Sizes / Formats / p. 8)).

NOTE	**With Special Configurations, more restrictions are possible; this depends on configured HCC types and selected config files (see chapter (Special configurations / p. 14).**

Applicability

Modality/system

Device type:	**Modality (SCU)**
Device Name:	UROSKOP Access
Modality System:	Compatible WIN NT 4 / WIN 2000

Hardcopy Cameras

DICOM HCCs

Manufacturer	HCC name	Modality SW Validity			
		recommended standard config file	VD46A	xxx	xxx
AGFA	Drystar 5500	Agfa_gen	x	n.a.	n.a.
AGFA	Drystar 5300	Agfa_gen	x	n.a.	n.a.
AGFA	Drystar 4500	STERLING_gen	x	n.a.	n.a.
AGFA	Drystar 3000	Agfa_gen	x	n.a.	n.a.
AGFA	LR5200 / MG 3000	Agfa_gen	x	n.a.	n.a.
CODONICS	Horizon	KODAK_gen	x	n.a.	n.a.
FUJI	Drypix 7000/5000	KODAK_gen	x	n.a.	n.a.
FUJI	Drypix 3000	FUJI_gen	x	n.a.	n.a.
FUJI	FM DPL / FN-PS 551	FUJI_gen	x	n.a.	n.a.
FUJI	FL IMD / FN-PS 551	FUJI_gen	x	n.a.	n.a.
KODAK	DryView 8900	KODAK_gen	x	n.a.	n.a.
KODAK	DryView 8700 / MIM 200	KODAK_gen	x	n.a.	n.a.
KODAK	DryView 8500 / MIM 200	KODAK_gen	x	n.a.	n.a.
KODAK	DryView 8200 / MIM 200	KODAK_gen	x	n.a.	n.a.
KODAK	DryView 8100 / MIM 200	KODAK_gen	x	n.a.	n.a.
KODAK	KELP 2180 / DPS 2180	KODAK_gen	x	n.a.	n.a.
KODAK	KELP 1120 / DPS 1120	KODAK_gen	x	n.a.	n.a.
KODAK	MLP 190	KODAK_gen	x	n.a.	n.a.

Manufacturer	HCC name	Modality SW Validity			
		recommended standard config file	VD46A	xxx	xxx
KODAK	KELI 160 / MIM 200	KODAK_gen	x	n.a.	n.a.
KONICA MINOLTA	DryPro 771	FUJI_gen	x	n.a.	n.a.
KONICA MINOLTA	DryPro 751/752	FUJI_gen	x	n.a.	n.a.

Modality + DICOM HCCs

Hardware and software prerequisites

Refer to chapter (System references / p. 7).

Parameters

For the software configuration, HCC data and parameters are required.

Modality data and configuration parameters

Properties	Example	Supplier
Port number	1024	Default entry
Own Print AET	FLC_PRINT_SCU	Default entry or Network Administrator, assign under: Service / Configuration / DICOM Print Settings
TCP/IP address	xxx.x.x.xxx	Network Administrator, in control panel -> Network / Protocols

HCC Data and Configuration Parameters (e.g. AGFA LP400)

All properties are assigned under: / Service / Configuration / DICOM Print Settings

Properties	Example	Supplier
Alias	Basic_Agfa	Freely definable, HC device must not include any blanks
Dicom AET*	LP_400	Network Administrator or HCC Service
Host name	K100162	Network Administrator
TCP/IP address	xxx.x.x.xxx	Network Administrator
Port Number*	104	HCC Service
Camera*	STERLING_gen	Specific HCC Document
Size	cf. Chapter (Film Sizes / Formats / p. 8)	Specific HCC Document
Format	cf. Chapter (Film Sizes / Formats / p. 8)	See the chapter (Film Sizes / Formats / p. 8) and specific HCC document

(*) The values of these parameters are part of the specific HCC information

Film Sizes / Formats

A camera config file contains the film sizes and formats (subdivisions).

All supported film sizes (of this config file) are shown in the "Size" window in a DICOM notation style without an extension for portrait orientation and with the extension **"/L"** for landscape orientation.

Different expressions for film sizes are used in these documents

e.g. 14”x17” = 14INX17IN.

Selecting a size activates the corresponding "Format" window and all supported formats are shown. Each format can be selected (highlighted) or deselected (no highlighting).

For every film size which is **not released** (see Specific HCC Info, (System references / p. 7)) **OR** is **restricted** (see Specific HCC Info, (Hardware components / p. 7)) **OR** is **not supported** at the customer site, select this film size and deselect (no highlighting) **all** formats.

For every film size format pair which is restricted (see (Film Sizes / Formats / p. 8) and, if applicable, specific HCC info, (Hardware components / p. 7)), select this film size and deselect (no highlighting) **this** format.

In every specific HCC info, the content of the camera config file is shown as in the table below (example):

Film orientation	**Portrait**				**Landscape**		
Standard Film Size*	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released Film Size	X	n.a.	n.a.	n.a.	X	X	n.a.
Disable Film Size	n.a.	**Yes**	n.a.	**Yes**	n.a.	n.a.	n.a.

(*) standard notation style, e.g. 14"x17" (14 inch by 17 inch) is the same as DICOM notation style 14INx17IN. For better readability, the standard notation style is used in all camera config file tables.

Camera (config file)	: X - supported by FL-C (but depends on specific HCC)	n.a.	not supported
Released Film Size	: X - supported by HCC (and released for this HCC)	n.a.	not released

Only the combinations with "Camera (config file) =**X**" AND "Released Film Size = **X**" will work properly at customer site, all other supported combinations have to be deselected (details in specific HCC info).

If "Disable Film Size" is marked "Yes", select this size/these sizes and deselect all formats.

Hints:	
Released Film Size (and Film Type and Medium Type)	A Film Size will be released if all qualification and image quality tests have been passed.
	A non-released / restricted Film Size is either not available or not supported or not qualified, or qualified but one or more tests did not pass. If a non-released Film Size is used, functionality and image quality problems might occur, and if a non-released Film Type / Medium Type is used, image quality problems might occur. Thus the change of film properties must be initiated by the HCC OEM partner who is responsible for this change, for the functionality, and for the image quality. If the new Medium Type is "paper", the print is not for diagnostic use.
Supported Film Size	For proper functionality, both systems must support this Film Size and of course, this Film Size has to be available at the customer site.
	The behavior of a non-supported Film Size is not qualified but the following faults are known: • image system error message that the image transfer failed, OR • no error message because HCC saves the image data on a hard disk device. If this Film Size is not available at the customer site, the image data must be deleted, otherwise a hard disk overrun will occur. Deleting image data queued for printing without printing is not allowed.

Software configuration

The required information is the node name, component name, internet address (TCP/IP), the application entity title and port number of the DICOM remote host (DICOM-HCC).

The AE Title, Port Number and Camera Type must be provided by the local camera service (or network administrator).

Additionally, the local camera service / network administrator needs the above-mentioned information from our system.

NOTE

“UROSKOP Access” (not the name of the HCC system in question) must be used as the image system name when configuring the local camera service.

See Siemens Intranet Med UPTIME Services.

Special configurations

A. Multiple use of the same released config file

For each released camera, a specific configuration file (config file) is defined and released as well (see chapter Specific Hardcopy Camera Information).

If there is more than one camera configuration, the same defined config file may be required (e.g. the config file "KODAK_gen" is released for all KODAK cameras, etc.). Because format enabling / disabling has a direct effect on the config file, this will work

- As specified / released when all camera devices have the same characteristics in film sizes / formats
- Not as specified / released when a format enabling / disabling is required for particular cameras, but not for the others.

Solution VD46: use the function 'Create Duplicate' (see 'Create Duplicate' below). Configure the first camera with the original config file and all others with the same file that is required for the duplicate config file.

Configuration Problem Example:

Assuming the following cameras at the site:

a) MLP 190 (defined config file: KODAK_gen),

b) DRYVIEW 8500 (IMATION_gen), and

c) KELP 2180 (KODAK_gen),

d) DRYVIEW 8700 DUAL (IMATION_gen).

➪ **a)** modality setting for MLP 190 requires the config file KODAK_gen and disabling of all film sizes / formats except 14INx17IN & 14INx17IN/L

➪ **b)** modality setting for DRYVIEW 8500 requires the config file IMATION_gen and disabling of all film sizes / formats except 11INx14IN & 11INx14IN / L.

➪ **c)** modality setting for KELP 2180 also requires the config file KODAK_gen but, only disabling of the film size / format 14INx14IN. => Changing the settings on KODAK_gen will have also have an effect on configuration (a): each enabled film size for the KELP 2180 is also enabled for MLP 190 (and the customer can send an unsupported film size / format to the MLP 190).

➪ **d)** modality setting for DRYVIEW 8700 DUAL also requires the config file IMATION_gen and disabling of all film sizes / formats except 14INx17IN & 14INx17IN / L. => Changing the settings on IMATION_gen will have also have an effect on configuration (b): the enabled film size 14INx17IN & 14INx17IN / L for the DRYVIEW 8700 DUAL is enabled for the DRYVIEW 8500 too (and the customer can send an unsupported film size / format to the DRYVIEW 8700 DUAL and to the DRYVIEW 8500).

For detailed solution examples, see the section below 'Special Configuration Examples'

B. Support of the new 10INx12IN Film Size

Modality supports only 4 film sizes: 14INx17IN, 14INx14IN, 11INx14IN, 8INx10IN. If the camera is also released for the new 10INx12IN film size, special configurations are required:

Camera must support the feature 'film size ID mapping': a transmitted film size ID (from the above-mentioned modality film size set) will be mapped automatically by the camera to the new film size.

When configuring the modality & camera settings, one must consider 2 cases:

1. If the camera supports all film sizes from the above modality film size set, plus 10INx12IN, the camera must be configured twice in the modality - 2 configuration config files: original & substitute, see also Special Configuration A) and 2 AETs etc.- and the modality must be configured twice in the camera. The same physical device will be split into 2 logical devices and each of the two printing devices are selectable in the user interface.
2. If the camera does not support one particular film size from the above modality film size set, this film size can be used directly without a special configuration on the modality side, but requires a special configuration on the camera side. A logical device split as in B.1 is not required.

In both cases, the film size selection in the modality user interface shows 10INx12IN instead of the substituted film size which must be mapped by the camera.

For detailed solution examples, see the section below 'Special Configuration Examples'

C. Extended format support regardless of config file substitution

With new / enhanced cameras with more film sizes than originally planned, some camera releases have predefined config file substitutes. With any substitute file, the special formats must be verified / proofed for the camera application; in most cases, the special formats in the substitute config file will not be supported by the camera and will have to be disabled (see also 'config File Substitution' below).

In special cases, a configuration of special formats is also possible:

1. To support more film sizes than originally planned, method A is used.
2. To support additional special formats, the original file is used with a second camera configuration on both sides, thus splitting the combination into 2 logical devices / 2 channels (compare also method B.1)

In this case, standard formats can be printed from the selected camera assigned to the substitute file and special formats can be printed from the selected camera assigned to the original file.

For detailed solution examples, see the section below 'Special Configuration Examples'

Create Duplicate (only VD 46)

'Create Duplicate' is required for multiple camera configurations with the same released config file (original config file). 'Create Duplicate' is a file copy function:

1. Select a config file from the list on the Film Sizes / Formats tab card.

2. Enter a new (unused) file name.
3. The soft key 'Create Duplicate' copies the selected file (1) to a new file (2).

NOTE

Any unused file name can be entered. For traceability, a similar file name as the original is recommended, e.g. original: KODAK_gen, duplicates: KODAK_new and/or KODAK_1, etc.

The copied file can be used as an original file.

Config File Substitution

Principles:

Config file substitution requires config files that are normally unused.

1. Use the table "Camera config files and standard formats"
2. Compare the table entries of the original config file to the unused config file.
3. The intersection of film sizes / formats is supported by both files.
4. With the selection of this unused config file as a substitute file, only this resulting subset will be supported.
5. Disable all film sizes / formats in the substitute config file which are not elements of this intersection subset of standard formats.
6. Special formats:
   - it is recommended to disable all special formats (slide, row / column, custom formats) in the substitute config file
   - if required: each special format must be verified by comparing it directly between the substitute config file and either the Dicom Conformance Statement of the camera or the original config file

Application:

config file substitution is required with multiple camera configurations with the same released config file (original config file).

1. Assign the original config file to the camera with the maximum support of film sizes (this step reduces the restrictions as they have been already stated)
2. Look for an unused config file (see principles) and assign it for the next camera which has fewer film sizes than the camera in step 1, but more than the remaining cameras.
3. Repeat step 2 for all remaining cameras
4. At a minimum, assign to the cameras with only one film size.

Each assignment of an unused config file to a camera configuration will reduce the number of primary unused config files. Therefore, these assignments are limited

Camera Configuration Files and Standard Formats

Tab. 1 14”x17” Camera config files and standard formats

Film Size 14”x17” *1						
Col x Rows *2	**AGFA _gen**	**FUJI _gen**	**IMATION _gen**	**KODAK _gen**	**STERLING _gen**	**Dicom 01 _gen*3**
CxR	P/L	P/L	P/L	P/L	P/L	P/L
1x1	x / x	x / x	x / x	x / x	x / x	x / x
1x2	x / x	x / x	x / x	x / x	x / x	x / x
1x3	-	x / x	-	-	-	-
2x2	x / x	x / x	x / x	x / x	x / x	x / x
2x3	x / x	x / x	x / x	x / x	x / x	x / x
2x4	-	x / x	-	x / x	x / x	x / x
3x3	x / x	x / x	x / x	x / x	x / x	x / x
3x4	x / x	x / x	x / x	x / x	x / x	x / x
3x5	x / x	x / x	x / x	x / x	x / -	x / x
4x4	x / x	x / x	x / x	x / x	x / x	x / x
4x5	x / x	x / x	x / x	x / x	x / x	x / x
4x6	x / x	x / x	-	x / x	x / x	x / x
5x5	x / x	-	-	-	-	x / x
5x6	x / x	-	-	x / x	-	x / x
5x7	-	-	-	x / x	-	x / x
CxR	P/L	P/L	P/L	P/L	P/L	P/L

*1 - CxR - Standard Format Columns x Rows, P / L - Portrait / Landscape Orientation

*2 - subdivisions in [Columns x Rows], in this table CxR value pairs are for portrait orientation; the values are swapped for landscape orientation (e.g. portrait CxR = 2x3 becomes landscape orientation CxR = 3x2)

*3 - additional standard formats: 6x6, ... 9x9

Tab. 2 14”x14” Camera config files and standard formats

Film Size 14”x14” *1						
Col x Rows *2	**AGFA _gen**	**FUJI _gen**	**IMATION _gen**	**KODAK _gen**	**STERLING _gen**	**Dicom 01 _gen*3**
CxR	P/L	P/L	P/L	P/L	P/L	P/L
1x1	x / -	x / -	-	x / -	-	x / x
1x2	x / -	x / -	-	x / -	-	x / x
1x3	-	x / -	-	-	-	-
2x2	x / -	x / -	-	x / -	-	x / x
2x3	x / -	x / -	-	x / -	-	x / x
2x4	-	x / -	-	x / -	-	x / x
3x3	x / -	x / -	-	x / -	-	x / x
3x4	x / -	x / -	-	x / -	-	x / x
3x5	x / -	x / -	-	x / -	-	x / x
4x4	x / -	x / -	-	x / -	-	x / x
4x5	x / -	x / -	-	x / -	-	x / x
4x6	x / -	x / -	-	x / -	-	x / x
5x5	x / -	-	-	-	-	x / x
5x6	x / -	-	-	x / -	-	x / x
5x7	-	-	-	x / -	-	x / x
CxR	P/L	P/L	P/L	P/L	P/L	P/L

*1 - CxR - Standard Format Columns x Rows, P / L - Portrait / Landscape Orientation

*2 - subdivisions in [Columns x Rows], in this table CxR value pairs are for portrait orientation; the values are swapped for landscape orientation (e.g. portrait CxR = 2x3 becomes landscape orientation CxR = 3x2)

*3 - additional standard formats: 6x6, ... 9x9

Tab. 3 11”x14” Camera config files and standard formats

Film size 11”x14” *1						
Col x Rows *2	**AGFA _gen**	**FUJI _gen**	**IMATION _gen**	**KODAK _gen**	**STERLING _gen**	**Dicom 01 _gen*3**
CxR	P/L	P/L	P/L	P/L	P/L	P/L
1x1	x / x	x / x	x / x	x / x	x / x	x / x
1x2	x / x	x / x	x / x	x / x	x / x	x / x
1x3	-	x / x	-	-	-	-
2x2	x / x	x / x	x / x	x / x	x / x	x / x
2x3	x / x	x / x	x / x	x / x	x / x	x / x
2x4	-	x / x	-	x / x	x / x	x / x
3x3	x / x	x / x	x / x	x / x	x / x	x / x
3x4	x / x	x / x	x / x	x / x	x / x	x / x
3x5	x / x	x / x	x / x	x / x	-	x / x
4x4	x / x	x / x	x / x	x / x	-	x / x
4x5	x / x	-	x / x	x / x	-	x / x
4x6	x / x	-	-	x / x	-	x / x
5x5	x / x	-	-	-	-	x / x
5x6	x / x	-	-	x / x	-	x / x
5x7	-	-	-	x / x	-	x / x
CxR	P/L	P/L	P/L	P/L	P/L	P/L

*1 - CxR - Standard Format Columns x Rows, P / L - Portrait / Landscape Orientation

*2 - subdivisions in [Columns x Rows], in this table CxR value pairs are for portrait orientation; the values are swapped for landscape orientation (e.g. portrait CxR = 2x3 becomes landscape orientation CxR = 3x2)

*3 - additional standard formats: 6x6, ... 9x9

Tab. 4 8”x10” Camera config files and standard formats

Film size 8”x10” *1						
Col x Rows *2	**AGFA _gen**	**FUJI _gen**	**IMATION _gen**	**KODAK _gen**	**STERLING _gen**	**Dicom 01 _gen*3**
CxR	P/L	P/L	P/L	P/L	P/L	P/L
1x1	x / x	-	x / x	x / x	x / x	x / x
1x2	x / x	-	x / x	x / x	x / x	x / x
1x3	-	-	-	-	-	-
2x2	x / x	-	x / x	x / x	x / x	x / x
2x3	x / x	-	x / x	x / x	x / x	x / x
2x4	-	-	-	x / x	x / x	x / x
3x3	x / x	-	x / x	x / x	x / x	x / x
3x4	x / x	-	x / x	x / x	x / x	x / x
3x5	x / x	-	x / x	x / x	-	x / x
4x4	x / x	-	x / x	x / x	x / x	x / x
4x5	x / x	-	x / x	x / x	-	x / x
4x6	x / x	-	-	x / x	-	x / x
5x5	x / x	-	-	-	-	x / x
5x6	x / x	-	-	x / x	-	x / x
5x7	-	-	-	x / x	-	x / x
CxR	P/L	P/L	P/L	P/L	P/L	P/L

*1 - CxR - Standard Format Columns x Rows, P / L - Portrait / Landscape Orientation

*2 - subdivisions in [Columns x Rows], in this table CxR value pairs are for portrait orientation; the values are swapped for landscape orientation (e.g. portrait CxR = 2x3 becomes landscape orientation CxR = 3x2)

*3 - additional standard formats: 6x6, ... 9x9

NOTE

Table shows only the support of DICOM standard formats as a quick overview. The support of all formats (standard and special formats) is shown only on the tab card "Film Size / Formats": select the particular config file and open the format view of the film sizes

Special Configuration Examples

With the version VD 46 and all cases where a config file substitution is mentioned, the 'Create Duplicate' function can also be used (recommended).

A. Multiple use of the same released config file

Assuming the following cameras on site (as shown as problem A) - a) MLP 190 (defined config file: KODAK_gen), b) DRYVIEW 8500 (IMATION_gen), and c) KELP 2180 (KODAK_gen), d) DRYVIEW 8700 DUAL (IMATION_gen).

1. start with the modality setting for KELP 2180; it requires the config file KODAK_gen and a disabling of the 14INx14IN film size / format
2. assign IMATION_gen either to DRYVIEW 8500 (here assumed) or to DRYVIEW 8700
3. the remaining 2 cameras support only one film size 14INx17IN & 14INx17IN / L.
4. starting substitution e.g. for MLP 190 - a good choice in a config file substitution is
   - either AGFA_gen: compare the supported standard formats with KODAK_gen, disable all film sizes/formats except 14INx17IN & 14INx17IN / L and ALL special formats, disable the format 5x5 with film size 14INx17IN & 14INx17IN / L

     => this selection does not support the standard formats 2x4 and 5x7
   - or STERLING_gen: compare the supported standard formats with KODAK_gen, disable all film sizes/formats except 14INx17IN & 14INx17IN / L and ALL special formats.

     => this selection does not support the standard formats 5x3, 5x6, 5x7
5. remaining selection: DRYVIEW 8700 (and assuming the selection in step 4: AGFA_gen) - a good choice in a config file substitution is
   - either FUJI_gen: compare the supported standard formats with IMATION_gen, disable all film sizes/formats except 14INx17IN & 14INx17IN / L and ALL special formats, disable the formats 1x3, 2x4, 4x6 with film sizes 14INx17IN & 14INx17IN / L.
   - or STERLING_gen: compare the supported standard formats with IMATION_gen, disable all film sizes/formats except 14INx17IN & 14INx17IN / L and ALL special formats, disable the formats 2x4, 4x6 with film size 14INx17IN & 14INx17IN / L.

B. Support of the new 10INx12IN Film Size

B.1 (Example) DRYVIEW 8900 - double configuration on both sides is required

Camera supports 5 film sizes 14INx17IN, 14INx14IN, 11INx14IN, 10INx12IN, 8INx10IN.

Use the standard configuration on both sides as described in the Specific Camera Information DRYVIEW 8900 to support 4 film sizes (= original file KODAK_gen).

1. Additional modality configuration for the film size 10INx12IN
   - Prepare an unused config file as a substitute, e.g. DICOM01_gen (available VD10 and up - each other's unused config file is possible).

     - disable all film sizes except one, e.g. 14INx17IN & 14INx17IN/L

     - disable all formats except standard formats in this film size

- Configure a new DICOM node with the same entries as the standard configuration but
  - with a different alias
  - with a different AET, e.g. DV8900-1
  - with the predefined config file substitute, in this case DICOM01_gen

2. Additional camera configuration for the film size 10INx12IN
   - configure a new modality with the same settings as the standard configuration
     - but with a different SCU AET, e.g. DV8900-1 (see step 2)- modify film size options: 10INx12IN Always Apply Film Size = YES

NOTE

User Interface:

- **The new film size can be selected on the UI with the alias name (DICOM target) and film size 14INx17IN or 14INx17IN/L, but will always be printed as 10INx12IN or 10INx12IN/L.**
- **To avoid handling confusion, the customer must be informed. It is recommended to set the alias name to the applied film size, e.g. DV8900_10x12.**

B.2 (Example) DRYSTAR 4500 - special configuration on camera side is required

Camera supports 2 film sizes 10INX12IN, 8INX10IN

1. Modality configuration: config file substitute STERLING_gen is taken (but each other's substitute is possible - see Hints / Configurations). Disable all film sizes / formats except 14INx17IN, 8INx10IN or 14INx17IN/L, 8INx10IN/L.
2. Camera configuration: in the Printer Host Profile, the setting 'print even if the film size ID / medium type is not supported': YES and film size ID: 10INX12IN. The Hardcopy Camera mapped the film size 14INX17IN to 10INX12IN.

NOTE

Configuration:

- **Each config file / substitute with 2 film sizes 8INx10IN and one other can be used.**
- **As described in config File Substitution, care must be exercised with special formats.**
- **With newer AGFA or KODAK cameras, all formats defined in DICOM are supported (but this cannot be proofed), but the formats slide / super slide still must be verified due to the amount of slides per sheet which is a modality control parameter.**

User Interface:

- **The new film size can be selected on the UI with the film size 14INx17IN or 14INx17IN/L but will always be printed as 10INx12IN or 10INx12IN/L.**
- **To avoid handling confusion, the customer must be informed.**
- **If the display of the film size 14INx17IN (or 14INx17IN/L) instead of 10INx12IN (or 10INx12IN/L) is not accepted, the only alternative is the configuration split as described in B.1 and the display of the new format in the alias name.**

C. Extended Format Support regardless of config File Substitution

FUJI DRYPIX 7000 / 5000 is a new camera / printer and supports more film sizes than older / earlier planned FUJI cameras (8INx10IN added):

- with the original config file FUJI_gen, the additional film size 8INx10IN is restricted
- with a config file substitute, all special formats are restricted

The solution is the combined use of both config files - this requires double configurations on the modality side (similar to B.1, no changes required on the camera side).

1. Use the standard configuration on both sides as described in the Specific Camera Information DRYPIX 7000 and as mentioned here, prepare KODAK_gen as a config file substitute (disable all original formats) instead of the (excepted) usage of FUJI_gen to support 4 film sizes.
2. Additional modality configuration

   Configure a new DICOM node with the same entries as the standard configuration and the same AET, but

   - with a different alias

   - with the original config file FUJI_gen
3. Additional camera configuration for special formats: n.a.

   (Modality is already registered on the camera side. The camera device can not distinguish between the two modality configurations).

NOTE

Configuration / User Interface

- **optional disable in FUJI_gen (step 2) all standard formats**
- **results in 2 logical printers, each supporting the complementary format set (e.g. Printer 1 only standard formats, Printer 2 only special formats)**

Image Quality and Optical Density

General Image Quality Information (LUT)

The image data from the modality to the HCC is transformed / corrected by LUTs.

UROSKOP Access	The UROSKOP Access always outputs LINEAR image data. No LUT settings are possible.
HCC	The desired FL-C LUT will be performed by the HCC. See Specific HCC information, Printer settings Configuration by HCC service

Density Verification (LUT)

Density verification is done according to the IQAP document, chapter 8.

Print the test image with 21 steps from the folder "pattern" test image S3_3 and measure the optical density values with a densitometer. Measure in the 21-Step Test Image.

		FL-C LUT		
Step	**Gray Level [%]**	**Specified Density**	**Maximum density**	**Minimum density**
1	100	0.20	0.23	0.17
2	95	0.26	0.29	0.22
3	90	0.31	0.35	0.27
4	85	0.36	0.40	0.32
5	80	0.42	0.47	0.37
6	75	0.49	0.54	0.44
7	70	0.56	0.62	0.50
8	65	0.64	0.70	0.58
9	60	0.73	0.79	0.67
10	55	0.83	0.90	0.76
11	50	0.93	1.00	0.86
12	45	1.04	1.11	0.97
13	40	1.15	1.23	1.07
14	35	1.28	1.36	1.20
15	30	1.43	1.51	1.35
16	25	1.61	1.70	1.52
17	20	1.82	1.91	1.73
18	15	2.04	2.13	1.95
19	10	2.30	2.40	2.20
20	5	2.63	2.73	2.53
21	0	3.00	3.10	2.90

Abbreviations

DCS	DICOM Conformance Statement
DICOM	Digital Imaging and Communication in Medicine
FL-C	UROSKOP Access
HW/SW	Hardware/Software
HCC	Hardcopy Camera
LUT	Lookup Table
OEM	Original Equipment Manufacturer
SCP	Service Class Provider
SCU	Service Class User
SPDI	Siemens Protocol Data Interface
TCP/IP	Transfer Control Protocol/Internet Protocol

AGFA Drystar 5500

General Information

Block Diagram

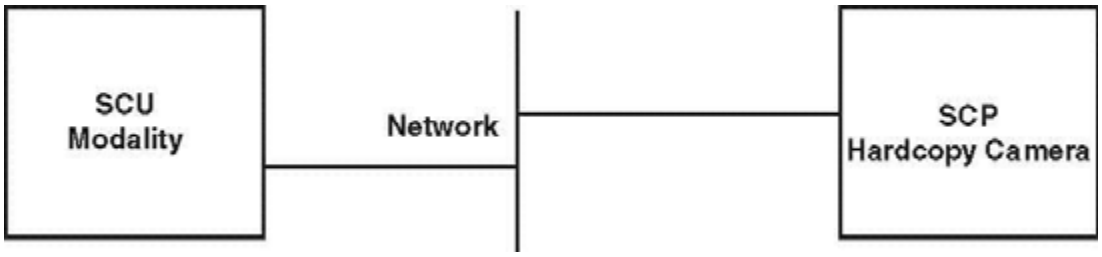

Fig. 2:

Available and Released Film Sizes

Film Size	Released	Film type	Medium type
14”x17”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
14”x14”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
11”x14”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
10”x12”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
8”x10”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
Other	**n.a.**	n.a.	n.a.

NOTE **Changing the film size requires manual modification at the camera site.**

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The modality does not support the film size 10INX12IN. If this film size is required at the customer site, a 'Special Configuration' is required

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW Configurations / Parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DRY5500
Port Number	104
Camera (config file)	Agfa_gen

Disabling Film Sizes / Formats

The camera config file contains the following Film Sizes

Film orientation	Portrait			P/L	Landscape		
Standard Film Size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released Film Size	X	X	X	X	X	X	X
Disable Film Size	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (no highlight) **all** formats. Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

All film sizes	n.a.

Hardcopy Camera, Configuration

Identification

Device:	Printer
Device type:	Dry thermal printer
Manufacturer/device name:	AGFA / Drystar 5500
HW Revision:	n.a.
SW Revision:	V2.00 C1

Image memory:	128 MB
Hard Disk:	18 GB
Number of operating panels:	1 internal keypad
No./type of input:	n.a.
No./type of output:	1 Ethernet
Physical network interface:	RJ45 twisted pair for 10/100Base Tx
Network protocol:	TCP/IP
DICOM conformance statement:	DICOM Conformance Statement Revision 1.5 Doc. No. 000737

SCP / Printer settings (provided by OEM)

Setting source / document		**n.a.**
Parameter		**Value**
Selected	**Variable name**	**Setting**
n.a.	Nickname	FLC_PRINT_SCU
n.a.	Calling AE title	FLC_PRINT_SCU
n.a.	Use this profile only for local SCP server	All
n.a.	Host Profile type	GENERIC-GENERIC (customized)
No	Number of copies	1
No	Print priority	LOW
No	Polarity	Normal
n.a.	Film Destination (output trays)	Tray 1: yes Tray 2: no Tray 3: no Tray 4: No
No	Film orientation	portrait
No	Trim	No
No	Film Size ID	None
No	Medium type	BLUE FILM
n.a.	Print even if film size ID / medium type is not supported	**No**
Yes	Kernel	Custom bilinear
No	Magnification	Magn: max. Custom scale factor 1.0
No	Pixel size	1.0 / 1.0

Setting source / document		n.a.
No	Perception LUT	custom
No	Kanamori-like value	0
No	Custom value	**101**
No	Illumination (cd/m^2)	2000
No	Reflected ambient light (cd/m^2)	10
No	Border density (OD x 100)	Black
No	Empty image density (OD x 100)	Black
No	Minimum density	20
No	Maximum density	custom **300**
No	Annotation 1	None
No	Annotation 2	None
n.a.	Window (%)	n.a.
n.a.	Level (%)	n.a.
n.a.	Image orientation	r0
n.a.	Conformance level	**1**
n.a.	N-event enabled	**OFF**
n.a.	Mammo modality	site: No
n.a.	Association Timeout	0
n.a.	Image Timeout	0
n.a.	ALLOW IMPLICIT VR LITTLE INDIAN	Yes
n.a.	ALLOW EXPLICIT VR LITTLE INDIAN	Yes
n.a.	ALLOW EXPLICIT BIG INDIAN	Yes
n.a.	Resolution	508

Setting source / document		n.a.
n.a.	Supported abstract syntax	Presentation_LUT_SOP_Class Print_Job_SOP_ClassPrinter SOP Class BasicAnnotation_Box_SOP_Class Verification service class Basic film box SOP class Basic film session SOP class Basic Color PM Meta SOP Class Print Queue Management SOP INSTANCE Basic Gray Image Box SOP CLASS Basic Color Image Box SOP CLASS Basic Gray PM Meta SOP Class Print queue management SOP class
n.a.	Early processing allowed	Yes

Special Configuration

see also General Hardcopy Camera Information / Special Configurations and ... / Examples / B.1

- **Additional Modality Configuration / Settings**
  - config file substitute: Fuji_gen, disable all film sizes except 14INx17IN
  - new DICOM node: different camera (config file) (e.g. Fuji_gen) and AET (e.g. DRY5500_1 and Port 105)
- **Additional Camera Configuration / Settings**
  - new modality: AET (e.g. DRY5500_1 and Port 105) see above
  - special setting: modify film size options,
    √ **Film Size ID:10INX12IN**
    Print even if film size ID / medium type not supported: YES
    (This is different for the new AET only).

Image Quality and Optical Density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

AGFA Drystar 5300

General Information

Block Diagram

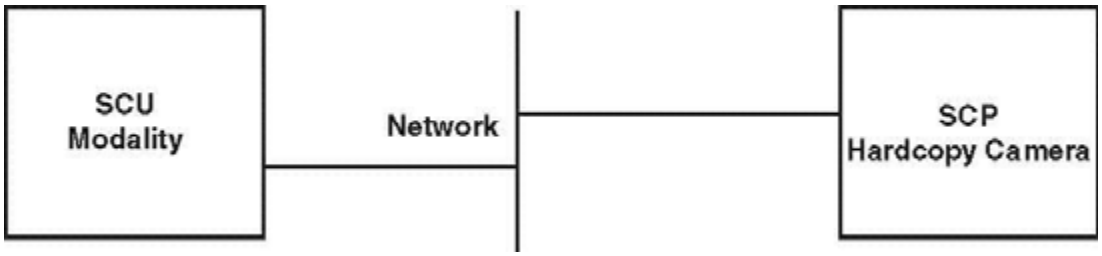

Fig. 3:

Available and Released Film Sizes

Film Size	Released	Film type	Medium type
14”x17”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
11”x14”	**Yes**	DRYSTAR DT 2 B	blue-based medium type
Other	**n.a.**	n.a.	n.a.

NOTE **Changing the film size requires manual modification at the camera site.**

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

In the Printer SOP Class, the Printer Status Info field does not conform to the Dicom Conformance Statement. The printer status / info sent by the Agfa Drystar 5300 printer does not describe the printer problem in detail.

Modality SW Configurations / Parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DRY5300
Port Number	104
Camera (config file)	Agfa_gen

Disabling Film Sizes / Format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard Film Size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released Film Size	X	X	n.a.	n.a.	X	X	n.a.
Disable film size	n.a.	n.a.	X	X	n.a.	n.a.	X

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats. Minimum required (if "Disable Film Size is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Device:	Printer
Device type:	Direct Thermal Printer (5365/100)
Manufacturer/device name:	AGFA / Drystar 5300
HW Revision:	n.a.
SW Revision:	R1.82 C1
Image memory:	128 MB / Standard
Hard Disk:	n.a.
Number of control panels:	1 internal keypad

No./type of input:	1 / (Ethernet 10 base - T / 100 base - TX)
No./type of output:	n.a.
Physical network interface:	Ethernet RJ45
Network protocol:	TCP/IP - DICOM
DICOM conformance statement:	Document No. 725, Rev. 2.0

SCP / Printer Settings (provided by OEM)

Setting Source / document		**n.a.**
Parameter		**Value**
Selected	**Variable name**	**Setting**
n.a.	Nickname	FLC
n.a.	Calling AE title	FLC_PRINT_SCU
n.a.	Use this profile only for the local SCP server	All
n.a.	Host profile type	GENERIC-GENERIC (customized)
No	Number of copies	1
No	Print priority	LOW
No	Polarity	Normal
No	Film orientation	portrait
No	Trim	NO
No	Film size ID	None
No	Medium type	BLUE FILM
n.a.	Print even if film size ID / medium type are not supported	**No**
Yes	Kernel	Custom bilinear
No	Magnification	Magn: max Custom scale factor 1.0
No	Pixel size	1.0 / 1.0
No	Perception LUT	custom
No	Kanamori-like value	0
No	Custom value	**101**
No	Illumination (cd/m^2)	2000

Setting Source / document		**n.a.**
No	Reflected ambient light (cd/m^2)	10
No	Border density (OD x 100)	Black
No	Empty image density (OD x 100)	Black
No	Minimum density	n.a.
No	Maximum density	site **300**
No	Annotation 1	None
No	Annotation 2	None
n.a.	Window (%)	n.a.
n.a.	Level (%)	n.a.
n.a.	Image orientation	r0
n.a.	Conformance level	**1**
n.a.	N-event enabled	**OFF**
n.a.	Mammo modality	site: No
n.a.	Association Timeout	0
n.a.	Image Timeout	0
n.a.	ALLOW IMPLICIT VR LITTLE INDIAN	Yes
n.a.	ALLOW EXPLICIT VR LITTLE INDIAN	Yes
n.a.	ALLOW EXPLICIT BIG INDIAN	Yes
n.a.	Resolution	320

Setting Source / document		n.a.
n.a.	Supported abstract syntax	Presentation_LUT_SOP_Class Print_Job_SOP_Class Printer SOP class BasicAnnotation_Box_SOP_Class Verification service class Basic film box SOP class Basic film session SOP class Basic Color PM Meta SOP Class Print Queue Management SOP INSTANCE Basic Gray Image Box SOP CLASS Basic Color Image Box SOP CLASS Basic Gray PM Meta SOP Class Print queue management SOP class
n.a.	Initial allocated memory size per print job (MBytes)	23

Image Quality and Optical Density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

AGFA LR 5200 / MG 3000

General Information

Block Diagram

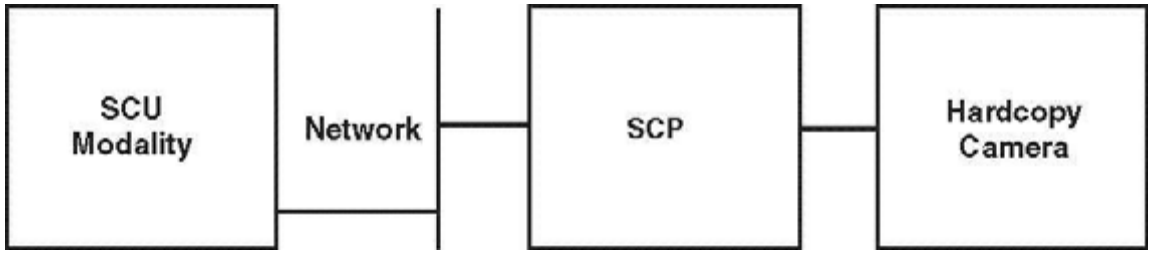

Fig. 4:

Available Film Size

14”x17”	14”x14”	11”x14”	8”x10”
X	n.a.	X	X

X - available **and** released

n.a. - available but not released

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW Configurations / Parameters

Dicom AET	LR 5200
Port Number	104
Camera (config file)	AGFA_gen

Disabling film sizes / formats

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released Film Size	X	X	X	n.a.	X	X	X
Disable film size	n.a.	n.a.	n.a.	**Yes**	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats. Minimum required (if "Disable Film Size is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / Device Type:	**AGFA / DICOM Printer**
Device Name:	LR 5200 P
SW Revision:	LTP 01806.240698
Numbering of control panels:	1

Manufacturer/device name:	**AGFA / DICOM Interface**
Device Name:	MG3000 (Type 4402/120)
SW Revision:	MG2_C:\> mg3000 884768136 aos32941 xxxxxxxxx xx4402 881163068 cad32941 884768136 MeGa3.32 884768136 ecu32940 905848563 dcm32948 919875344 OEM40646

HW Revision:	Board GEMINI Revision 2 checksum 00C89A23 LCA 6.14 from 19-Sep-1996 16:04 for GEMINI_2 LCA Customer release 33 MHz RAM 122880 Kbytes 120 Mbytes CPU 68040 68040 clock=33.34 MHz CPU 68040 cache = code+data FPU chip present : main=68041 slave=No CPU chip present : main=68040:running slave=68040:no_cpu IO interface module 0: BER (id=25) VIC chip version : FC VME 1 GEMINI rev=2 ram=120 mon=4.23 20-NOV-1996 cpu=68040-33 (Me)(Sys)
Image memory:	128 MB
Winchester Disk:	2 GB
Output:	FOI AGFA proprietary
Number of control panels:	1
Physical network interface:	Ethernet, RJ45, 10BaseT
Network protocol:	TCP/IP
DICOM conformance statement:	Dicom Conformance Statement, V. 3.31 / 9 Jul. 99

SCP / Printer Settings

file name	content	remarks
siemens.pms	00 pms_virgin_cfg 0 nevent_enabled 1 dbmin 2000 utl_id 1 trim_flag 0	default format AGFA 14x17 ID1411 14x14 ID1611 11x14 ID1211 8x10 ID1011 is used (DCS), no .idf file defined AGFA default Confirm Level is 0 (warnings) (N-Events on) (no segment lines)
flc.pms	pms_virgin_cfg 0 utl_id -1 utl_subid 101	

Reference Film and LUT

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

AGFA Drystar 4500

General Information

Block Diagram

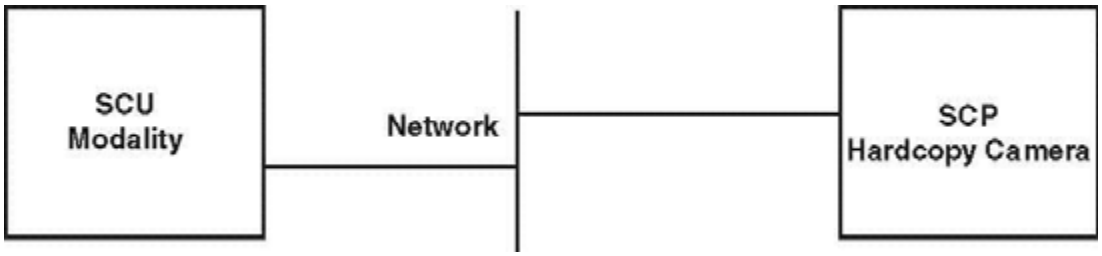

Fig. 5:

Available and Released Film Sizes

Film Size	Released	Film type	Medium type
10”x12”	**Yes**	TM 1B TSI	blue-based medium type
8”x10”	**Yes**	TM 1B TSI	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released:	Yes	- Film size is available and released
Released:	No	- Film size is available but not released
Released:	n.a.	- Film size is not available

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW Configurations / Parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DRY4500
Port Number	104
Camera (config file)	STERLING_gen

Disabling Film Sizes / Format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	n.a.	X	X	X
Released film size	See special configu-ration	n.a.	Yes	n.a.	See spe-cial con-figuratio n	n.a.	Yes
Disable film size	n.a.	**Yes**	n.a.	**Yes**	n.a.	**Yes**	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats. Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	Dry Printer with a built-in interface for DICOM
Manufacturer/device name:	AGFA / Drystar 4500
HW Revision:	n.a.
SW Revision:	R 1.95 C
Image memory:	128 MB Standard
Hard disk:	4 GB standard
Number of control panels:	1 internal keypad
No./type of input:	1 / RJ 45
No./type of output:	n.a.
Physical network interface:	Ethernet 10/100 base T/TX
Network protocol:	TCP/IP
DICOM conformance statement:	DCS Revision 1.3, 12 June, 2002

SCP / printer settings (provided by OEM)

Setting source / document		**n.a.**
Parameter		**Value**
No file available from AGFA		Shown by web browser
	Calling AE title	FLC_PRINT_SCU
	Nickname	Host Profile 1
	Number of copies	1
√	Print priority	LOW
	Polarity	Normal
	Film orientation	portrait
	Trim	NO
	Film Size ID	10INX12IN
√	Medium type	BLUE FILM
	Print even if film size ID / medium type are not supported	**YES**
√	Kernel	Interpolation type bilinear
	Magnification	Magn: max
	Pixel size	1.0 / 1.0
	Perception LUT	custom
	Kanamori-like value	0
	Custom value	**101**
	Illumination (cd/m^2)	2000
	Reflected ambient light (cd/m^2)	10
	Border density (OD x 100)	Black
	Empty image density (OD x 100)	Black
√	Minimum density	**20**
√	Maximum density	site **300**
	Annotation 1	none Edit Custom: None
	Annotation 2	none Edit Custom: None
	Window (%)	Empty
	Level (%)	Empty
	Image orientation	r0

Setting source / document		n.a.
	Conformance level	**2**
	N-event enabled	**OFF**
	Mammo modality	site: No
	Association timeout	0
	Image timeout	0

Special configuration

see also General Hardcopy Camera Information / Special Configurations and ... / Examples / B.2

Image Quality and Optical Density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

AGFA Drystar 3000

General Information

Block Diagram

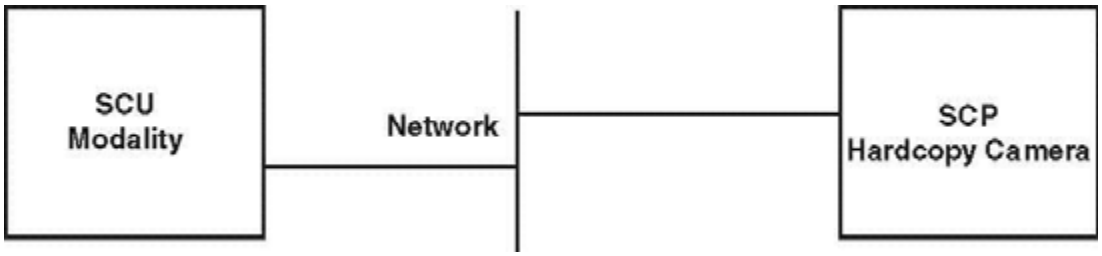

Fig. 6:

Available Film Size

14”x17”
X

X - available **and** released

n.a. - available but not released

Restrictions

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW Configurations / Parameters

Dicom AET	**DRY3000**
Port Number	104
Camera (config file)	AGFA_gen

Disabling Film Sizes / Format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size		**Yes**	**Yes**	**Yes**		**Yes**	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats. Minimum required (if "Disable Film Size" is marked "Yes"): select this size/these sizes and deselect all formats

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / Device Type:	**AGFA / Printer 53614 incl. DICOM Interface**
Device name:	Drystar 3000
SW revision:	901118007 aos32943 901118007 **MeGa3.32** xxxxxxxxxx xx5361 881163068 cad32941 892717801 ecu32942 1501991019 DI301p66 DRYSTAR3000 client beta R1.75 905848563 dcm32948 919875344 OEM43969 876228165 mps32941 PNP DCM 1001
Image memory:	32 MB
Winchester disk:	1.2 GB (129MB for DICOM)
Output:	n.a.
Number of control panels:	1

Physical network interface:	Ethernet TP, RJ45, 10BaseT
Network protocol:	TCP/IP
DICOM conformance statement:	Version 3.31 - 9 July 1999

SCP / printer settings (provided by AGFA)

file name	content	remarks
pms.ini	[FLC_PRINT_SCU] IDF= CFG=D:\FLC.PMS	default format AGFA 14x17 ID1411 is used (DCS), no .idf file defined
flc.pms	pms_virgin_cfg 0 utl_id -5 utl_subid 101 dmin2000	AGFA default confirm level is 0 (warnings) (N-Events on) (no segment lines

Reference Film and LUT

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

Codonics Horizon

General information

Block diagram

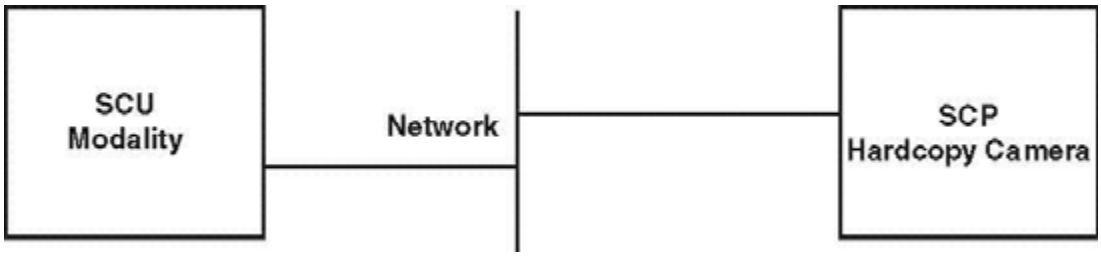

Fig. 7:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Direct Vista Gray Scale Film	blue-based medium type
11”x14”	**No**	Direct Vista Gray Scale Film	blue-based medium type
8”x10”	**No**	Direct Vista Gray Scale Film	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes	Film size is available and released
Released: No	Film size is available but not released
Released: n.a.	Film size is not released

Restrictions

n.a.

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	HORIZON
Port Number	104
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released film size	X	**No**	**No**	n.a.	X	**No**	**No**
Disable film size	n.a.	**Yes**	**Yes**	**Yes**	n.a.	**Yes**	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

14”x17”	SLIDE, CUSTOM\101, CUSTOM\102

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	DICOM printer
Manufacturer/device name:	Codonics / Horizon
HW revision:	n.a.
SW revision:	Op. SW.1.7.0, DICOM 3.0
Image memory:	256 MB RAM
Hard disk:	10 GB
Number of control panels:	1 built-in panel
No./type of input:	1 Ethernet, 100/10 base T-RJ45 connector and AUI 15-pin connector
No./type of output:	n.a.

Physical network interface:	Ethernet, RJ45, UTP/STP network cable cat.5
Network protocol:	TCP/IP
DICOM conformance statement:	Document Rev.:V1.6.0, 21.10.2002

SCP / printer settings (provided by OEM)

Setting source / document	**Internal keypad MENU**
Parameter	**Value**
Name:	**HORIZON 1**
Media: default	DV film blue
Receive tray: default	n.a. (1,2,3)
Priority: default	n.a. (LOW,MEDIUM,HIGH)
Gamma: default	1
Contrast: default	0
Dmax: default	300
Dmin: default	0
Film view: default	Front
LUT: VISUAL	VISUAL (Default=Linear)
Polarity: default	Positive
Saturation: default	n.a. (-100 - 100)
MCM: default	n.a. (0-999)
Background: default	Black
Scaling: BILINEAR	Bilinear (Default=Lanczos)
Rotate: default	Auto
Image warning: default	OFF
Captions: default	ON
Border fill: default	ON
Coverage: default	STANDARD

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25)

FUJI DryPix 7000/5000

General information

Block diagram

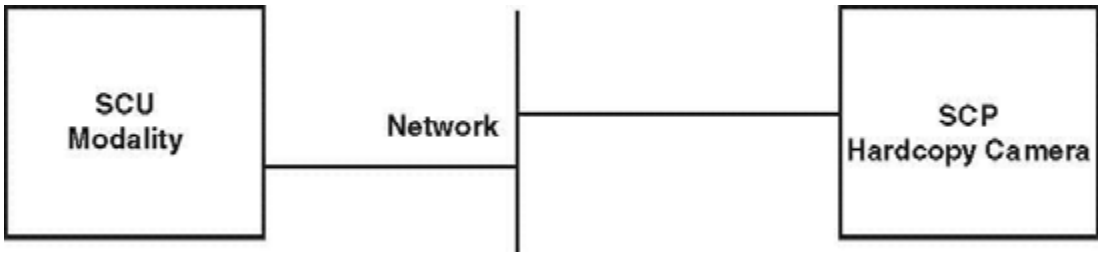

Fig. 8:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	DI-HL	blue-based medium type
14”x14”	**Yes**	DI-HL	blue-based medium type
11”x14”	**Yes**	DI-HL	blue-based medium type
8”x10”	**Yes**	DI-HL	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes	Film size is available and released
Released: No	Film size is available but not released
Released: n.a.	Film size is not released

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

NOTE	**The EN55011(conducted and radiated emissions) is only class A (Hospital use).**
NOTE	**Changing the film size requires manual modification at the camera site.**
NOTE	**Recommendation: delete the film size not installed**

NOTE	For film size 14INX14IN, landscape orientation is not supported.

NOTE	DRYPIX 5000: 100 - 200 V power supply (only for US market). DRYPIX 7000: 200 - 240V power supply (worldwide market).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DRY7000
Port number	104
Camera (config file)	Kodak_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	X	X	X	X	X	X
Disable film size	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

ALL film sizes	SLIDE; CUSTOM

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	Dry printer with built-in interface for DICOM
Manufacturer/device name:	FUJI / DryPix 7000
HW revision:	n.a.
SW revision:	A04
Image memory:	512 MB RAM
Hard Disk:	20 GB
Number of control panels:	1 internal keypad
No./type of input:	1 / Ethernet
No./type of output:	n.a.
Physical network interface:	Ethernet 100BASE-TX /10BASE-T
Network protocol:	TCP/IP - DICOM
DICOM conformance statement:	DICOM Conformance Statement, Fuji Medical Dry Imager, Drypix 5000/7000, September 2003, 1st Edition.

SCP / printer settings (provided by OEM)

Setting source / document	**DPX PC Tool A06 (Fuji service program)**		
Parameter	**Value**		
PROTOCOL	0107H warning		1:Indicate
	0116H warning		1:Indicate
	B604H warning		1:Indicate
	N-event report RQ		0:disabled
	Use extension format		0:No
	Change film		272:0110H(F)
	Use system timeout		1:Yes
	Presentation LUT		0:No
	Precede picking up		0:No
	Use Max/Min Density		1:modality

Setting source / document	DPX PC Tool A06 (Fuji service program)		
Parameter	**Value**		
	Logging client		0:No
	Reprint		0:No
MAGNIFY	Procedure		0:A-VR
	Default smoothing type		1:SHARP
	Adjustment parameter		
	SHARP	Edge detection	1:On
		Detection level	600
		Sharpness	130
		Character color	0:White
	MEDIUM	Edge detection	On
		Detection level	600
		Sharpness	80
		Character color	0:White
	SMOOTH	Edge detection	1:On
		Detection level	800
		Sharpness	30
		Character color	0:White
LUT	Procedure		0:SAR
	Default LUT		1
	Adjustment parameter		
	LUT1	r table number	43
		Max. density	300
		Min. density	20
		Number of tuning points	0
		Dmax3.6	0:Standard
OUTPUT format	Border density		300
	Polarity (Pos./Neg.)		1:normal (Pos.)
	Trim density		0
	Trim		0:Off

Setting source / document	DPX PC Tool A06 (Fuji service program)		
Parameter	**Value**		
	Number of copies		1
	Margin between images		20
	Film size		4:14 in. X 17 in.
	medium type (base color)		1:blue
	Film orientation		1:Portrait
	Mirror		0:off / Normal
	Film destination	Upper tray	1:use
Annotation	Annotation extend		1:1
	Annotation font		System:System
	Annotation size		14:14

Special configuration

see also General Hardcopy Camera Information / Special Configurations and ... / Examples / C

- **Additional modality configuration / settings**
  - config file substitute: Fuji_gen. Disable all standard formats.
  - new DICOM node: different Camera (config file) (e.g. Fuji_gen) and AET (e.g. DRY7000_1)
- **Additional camera configuration / settings**
  - new modality: AET (e.g. DRY7000_1) see above

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Information (Image Quality and Optical Density / p. 25).

FUJI DryPix 3000

General information

Block diagram

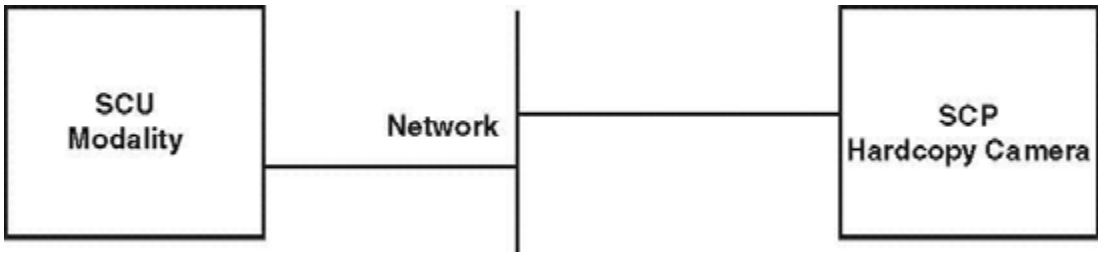

Fig. 9:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	DI-AT thermal film	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes	Film size is available and released
Released: No	Film size is available but not released
Released: n.a.	Film size is not released

Restrictions

n.a.

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DRyPIX3000
Port number	104
Camera (config file)	FUJI_gen

Disabling film sizes / format

The camera config file contains following the film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size	n.a.	**Yes**	n.a.	**Yes**	n.a.	**Yes**	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

14”x17”	SLIDE

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	Dry printer with built-in interface for DICOM
Manufacturer/device name:	FUJI / DryPix 3000
HW revision:	n.a.
SW revision:	A03 main unit / A04 LAN board
Image memory:	56 MB
Hard disk:	No
Number of control panels:	1
No./type of input:	1
No./type of output:	n.a.
Physical network interface:	Twisted pair

Network protocol:	TCP/IP - DICOM
DICOM conformance statement:	Product Specification 1st Edition August, 2001 DICOM Conformance Statement 1st Edition March 31, 2001

SCP / Printer Settings (provided by OEM)

Setting source / document	**n.a.**
Parameter	**Value**
Protocol	107h Warning indicate 116h Warning indicate B604h Warning indicate N-Event Rep.RQ disabled
Magnify	Procedure SSM def.smoothing type sharp
LUT:	SAR 1 GAMMA (r table no.) 43 CONTRAST 100 Min. Density 20 Max. Density 300
Output	Border density 300 Polarity normal Trim density 0 Trim off

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Information (Image Quality and Optical Density / p. 25).

FUJI FL-IMD / FN-PS 551

General information

Block diagram

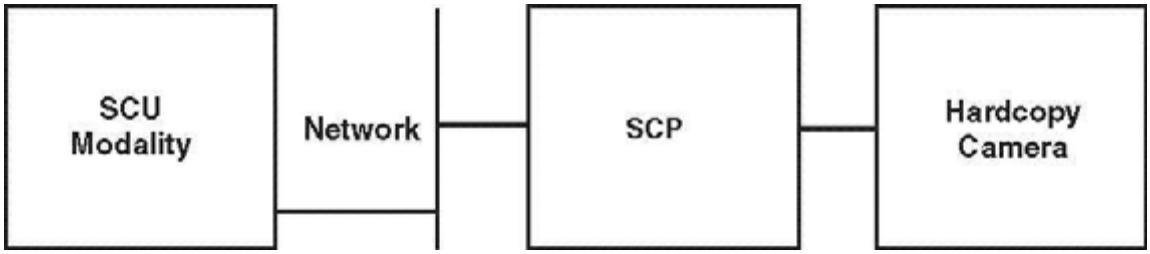

Fig. 10:

Available film size

14”x17”	11”x14”
X	X

X - available **and** released

n.a. - available but not released

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Dicom AET	FL - IMD
Port number	104
Camera (config file)	FUJI_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released film size	X	X	n.a.	n.a.	X	X	n.a.
Disable film size			n.a.	**D**			n.a.

D: For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required: Select all sizes marked “D” and deselect (unmark) all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and unmark **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	**Fuji / Laser Imager**
Device Name:	FM - IMD
SW revision:	A10
Input Board:	IFM 05 / MEMO5
Processor module:	Integrated in camera

Manufacturer / device type:	**Fuji / DICOM Print Server**
Device name:	FN-PS551
SW revision:	A03
Image memory:	6 GB
Winchester disk:	6 GB
Output:	1 SCSI PEI01A board (FUJI DMS protocol)
Number of control panels:	1 PC keyboard
Physical type:	Dell PC, Optiplex GX1

Network protocol:	TCP/IP
DICOM conformance statement:	DCS FUJI Network print server FN-PS 551, October 1999, 3rd edit.

SCP / printer settings

Parameter	Value (provided by FUJI)
SAR	1
Gamma	43
Max. Density	300
Min. Density	20
Contrast	102

Reference film and LUT

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

FUJI FM DPL / FN-PS 551

General information

Block diagram

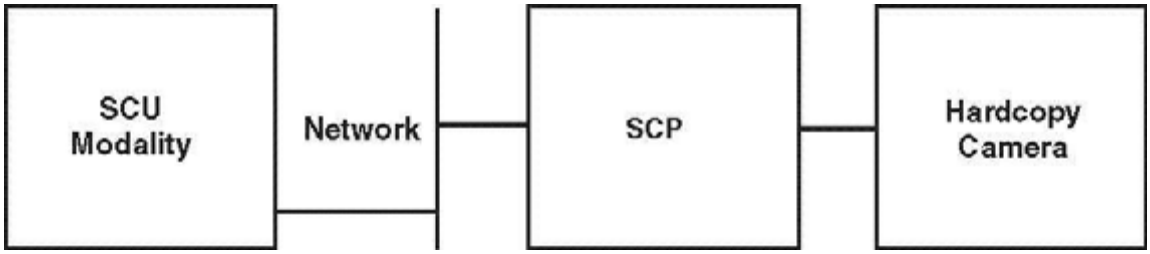

Fig. 11:

Available film size

14”x17”
X

X - available **and** released

n.a. - available but not released

Restrictions

For restrictions not related to the HCC see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW Configurations / Parameters

Dicom AET	**FMDPL**
Port number	104
Camera (config file)	FUJI_gen

Disabling film sizes / format

The camera config file contains following the film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size	n.a.	**Yes**	n.a.	**Yes**	n.a.	**Yes**	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if “Disable Film Size" is marked “Yes”): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	**Fuji / Laser Imager**
Device name:	FM - DPL
SW revision:	B00 main unit
Number of inputs:	1FIX90A board (max.3 possible)

Manufacturer / device type:	**Fuji / DICOM print server**
Device name:	FN-PS551
SW revision:	A03
Image memory:	6 GB
Winchester disk:	6 GB
Output:	1 SCSI PEI01A board (FUJI DMS Protocol)
Number of control panels:	1 PC keyboard
Physical type:	Dell PC, Optiplex GX1

Network protocol:	TCP/IP
DICOM conformance statement:	DCS FUJI network print server FN-PS 551, October 1999, 3rd Edition

SCP / printer settings

Parameter	Value (provided by FUJI)
SAR	1
Gamma	43
Max. density	300
Min. density	20
Contrast	102

Reference film and LUT

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

Konica Minolta DRYPRO 771

General Information

Block Diagram

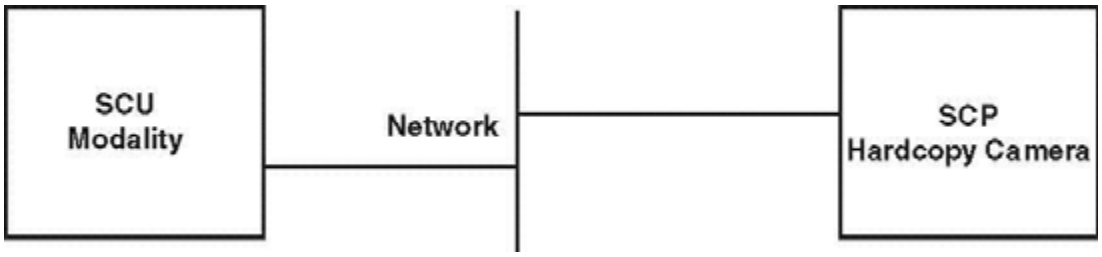

Fig. 12:

Available and Released Film Sizes

Film Size	Released	Film type	Medium type
14”x17”	**Yes**	Monochrome / DRYPRO SD	blue-based medium type
14”x14”	**Yes**	Monochrome / DRYPRO SD	blue-based medium type
11”x14”	**Yes**	Monochrome / DRYPRO SD	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

NOTE

Maximum input image size: 26 M Pixels.

14INX14IN landscape not possible.

The printer has two border settings:

Regius=CR mode with small border (no margin)

CT/MRI mode with large border (with margin)

CR mode: OEM density patch and text in the image. All edges are cropped.

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DP771
Port number	104
Camera (config file)	FUJI_gen

Disabling film sizes / format

The camera config file contains the following film sizes:

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released film size	X	X	n.a.	X	X	X	n.a.
Disable film size	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

14”x17”	SLIDE; 4/4/2/2; 4/4/4/4/2; 3/2/2; 1/2;
14”x14”	SLIDE; 4/4/4/2;
11”x14” landscape	SLIDE

Hardcopy camera, configuration

Identification

Device:	Printer
Device type:	Dry laser imager

Manufacturer/device name:	Konica Minolta / DRYPRO model 771
HW Revision:	n.a.
SW revision:	V1.00R03
Image memory:	128 MB (standard)
Hard disk:	80 GB (Standard)
Number of control panels:	1 internal keypad
No./type of input:	1 / (Ethernet 10 base - T / 100 base - TX)
No./type of output:	n.a.
Physical network interface:	Ethernet RJ 45
Network protocol:	TCP/IP - DICOM
DICOM conformance statement:	Ver.1.00 Sep.01.2003

SCP / printer settings (provided by OEM)

Setting source / document	**Maintenance mode settings**	
Parameter	**Value**	
Printer keypad: Maintenance Mode U30 Print Cond.(Print Parameter settings for CH1)	Select Diagnostic Dev.	Selection of the diagnostic device for which print parameters will be set
U31 LUT NO.	USER1	Look up table for UROSKOP Access
U32 DENSITY	0	Image density setting. Settings may be made within a range of -7 to +7. Increasing the value produces lighter density, decreasing the value produces darker density.
U33 CONTRAST	0	Image contrast setting. Settings may be made within a range of -7 to +7. Increasing the value produces higher contrast, decreasing the value produces lower contrast.

Setting source / document	Maintenance mode settings	
U34 SMOOTHING	2	Image smoothing type setting. Settings may be made within a range of 0 to 7. In the range of 0 through 6, the higher the value, the smoother the image. However, the image becomes blurred when the value is set too high. The setting 7 gives the same smoothing as 0, when printing the image at 100% without magnification. Recommended setting is 2 or 3.
U35 MAX DENSITY	300	Setting for the maximum density for printing. The higher the value, the higher the maximum density; the lower the value, the lower the maximum density.
U36 MIN DENSITY	20	Setting for the minimum density for printing. The higher the value, the higher the minimum density; the lower the value, the lower the minimum density.
U37 ORIENTATION	PORTRAIT	Selection may made between PORTRAIT and LANDSCAPE.
U38 IMAGE POLARITY	POSI	Selection may be made between POSI (positive) and NEGA (negative).
U39 TRIM ON/OFF	CH1:OFF CH2: ON	Selection may be made between the image printed with trim or without.
U3A BORDER	BLACK	Selection of border color. Select from black (BLACK) or white (WHITE).
U3B ILLUMINATION	2000	Light table brilliance setting. Normally it is sent from the modality. Setting should be made in the range of 0 through 38000.
U3C AMBIENT LIGHT	10	Ambient light setting. Normally sent from the modality.

Printer settings

SERVICE MODE only available for Konica

Variable name	Content
DICOM SCU	(1) flcompact
SCU CH USE	ON
SCU NAME	flcompact
AE TITLE	FLC_PRINT_SCU

Variable name	Content
N-EVENT PORT NO	0
DHCP	OFF
IP ADDRESS	xxx.xxx.xxx.xxx
HOST NAME	flcompact
SIZE TYPE CHECK	NO CHECK
BORDER SIZE	**REGIUS=CR (CT/MR)**
EMPTY NOTICE	ON
FRAME LAYOUT	EVEN
DICOM ERROR LEVEL	STANDARD
DEFAULT Dmax/Dmin	DICOM

Variable name	Content
LUT 1-7	(1) flcompact NO.1 USER USER1 2-7 CR LINEAR

Variable name	Content
USER LUT	USER LUT

Print CONDITION

Variable name	Content
DEFAULT SETUP	(1) flcompact
LUT NO	1= USER; 2-7=LINEAR
DENSITY	0
CONTRAST	0
SMOOTH TYPE	2
MAX DENSITY	300
MIN DENSITY	20
ILLUMINATION	2000
AMBIENT LIGHT	10
ORIENTATION	PORTRAIT
POLARITY	POSI

Variable name	Content
TRIM	Off
BORDER	BLACK
FLIP	OFF
EDGE ENHANCE	OFF
REQUESTED IMAGE SIZE	EFFECTIVE
REQUESTED BEHAVIOR	DECIMATE

Variable name	Content
PRIORITY SETUP	(1) flcompact
LUT NO	DICOM
SMOOTH TYPE	DICOM
MAX DENSITY	DICOM
MIN DENSITY	DICOM
ORIENTATION	DICOM
POLARITY	DICOM
TRIM	DICOM
BORDER	DICOM

Variable name		Content
STAMP		(1) flcompact
STAMP DIRECTION		
STAMP SELECT	TIME/DATE	NO
	COPY No.	NO
	SCU ID / PAGE NO	NO
	STAMP MESSAGE	NO
	Patient ID	NO
	CHAR CODE	ASCII
	EXPANSION MODE	OFF

FORMAT

Variable name	Content
YEAR/MONTH	YY-MMM-DD
DATE/TIME	TIME+DATE
STAMP MESSAGE	n.a.

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25)

Konica Minolta DRYPRO 751/752

General information

Block diagram

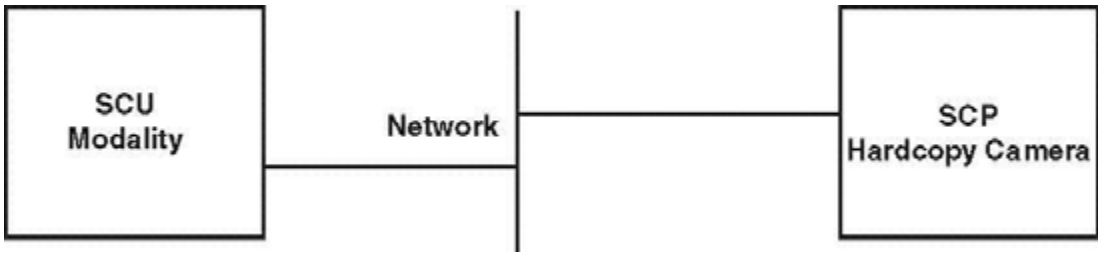

Fig. 13:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	SD-P	blue-based medium type
14”x14”	**No**	SD-Pnew	blue-based medium type
11”x14”	**Yes**	SD-P	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

n.a.

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DPRO752
Port number	104
Camera (config file)	FUJI_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	n.a.	X	X	X	n.a.
Released film size	X	X	n.a.	X	X	X	n.a.
Disable film size	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

14”x17”	SLIDE, R1/2, R3/2/2, R4/4/4/2, R4/4/2/2
14”x14”	SLIDE, R4/4/4/2

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	Dry laser imager
Manufacturer/device name:	Konica/DRYPRO 751/752
HW revision:	n.a.
SW revision:	V1.00R6
Image memory:	256 MB (standard)
Hard disk:	20 GB (Standard)
Number of control panels:	1 LCD with a touch panel
No./type of input:	1..15 / DICOM PRINT IN
No./type of output:	n.a.

Physical network interface:	Ethernet RJ 45 10/100 Base TX
Network protocol:	TCP/IP - DICOM
DICOM conformance statement:	DRYPRO model 751/752 CS V1.03, Jun.18, 2003

SCP / Printer Settings (provided by OEM)

Setting source / document			
Parameter		**Value**	
1/3	Maintenance Print Condition	 **FI Compact** (CH5)	
1/7	LUT	LINEAR	
2/7	DENSITY CONTRAST SMOOTH TYPE DEFAULT TRAY	0 0 1 UPPER TRAY	
3/7	MAX DENSITY MIN DENSITY L0 La SORTER BIN	300 020 0 0 01	
4/7	ORIENTATION POLARITY TRIM BORDER FLIP	Portrait Posi Off Black Off	
5/7	STAMP SELECT n.a. n.a. n.a. n.a. n.a.	DATE TIME COPY NO. PATIENT ID SCU ID / PAGE NO STAMP MESSAGE STAMP DIRECTION	No NO NO NO No ☐
6/7	YEAR FORMAT MONTH FORMAT DATE FORMAT	YY TEXT TIME+DATE	

Setting source / document			
7/7	DICOM PRIORITY HIS PANEL PRIORITY SMOOTH TYPE	 ON	
2/3	Maintenance SERVICE DICOM SCU SCU SETUP	 FI Compact	
1/4	SCU CH USE SCU NAME N-EVENT PORT NO IP ADDRESS AE TITLE HOST NAME	ON FI Compact 0 146.254.124.140 FLCC_PRINT_SCU flcompact	
2/4	SIZE TYPE CHECK BORDER SIZE EMPTY NOTICE 14x17 B 11x14 B	OFF CT/MRI n.a. ON ON	
3/4	EDGE ENHANCE FRAME LAYOUT DICOM ERROR LEVEL	ON EVEN STANDARD	
4/4	DEFAULT Dmax/Dmin Magnification	DICOM 01	

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25)

KODAK DryView 8900

General information

Block diagram

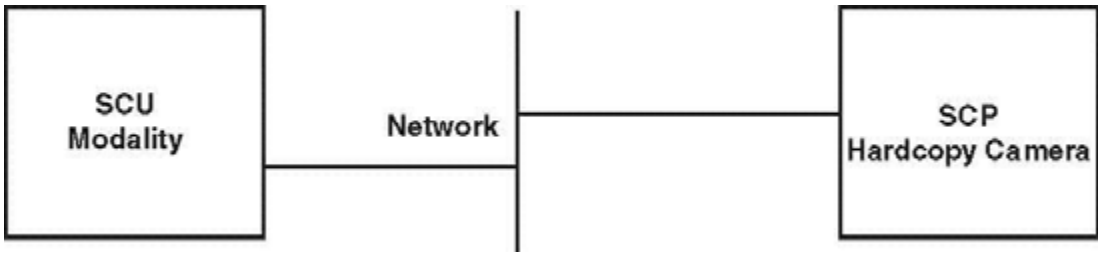

Fig. 14:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Kodak infrared-sensitive dry laser film	blue-based medium type
14”x14”	**Yes**	Kodak infrared-sensitive dry laser film	blue-based medium type
11”x17”	**Yes**	Kodak infrared-sensitive dry laser film	blue-based medium type
10” x 12”	**Yes**	Kodak infrared-sensitive dry laser film	blue-based medium type
8”x10”	**Yes**	Kodak infrared-sensitive dry laser film	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The modality does not support the film size 10INX12IN. If this film size is required at the customer site, a 'Special Configuration' is required

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7)

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DV8900
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / formats

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	X	X	X	X	X	X
Disable film size	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

ALL film sizes	SLIDE

Hardcopy camera, configuration

Identification

Device:	Printer
Device type:	Dry laser imager
Manufacturer/device name:	Kodak/DryView 8900
HW revision:	n.a.

SW revision:	31.3 Rev. C, internal DICOM interface SW 5.5.b12
Image memory:	786 MB RAM
Hard disk:	40 GB HD
Number of control panels:	1 internal control panel
No./type of input:	1 / DICOM Ethernet 10/100 BaseT
No./type of output:	n.a.
Physical network interface:	Ethernet, RJ 45
Network protocol:	TCP/IP
DICOM conformance statement:	Release 1.0 January 16, 2003 Kodak Document #1F0730 Rev. A

SCP / Printer Settings (provided by OEM)

8900 setup:

- on Configuration, System, Network:
  - Host Name=DV8900, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On Configuration, DICOM SCP, Communications:
  - Port=5040, Association Limit=12, Source Name=DICOM
- On configuration, destination:
  - General: Log. Name=8900
  - Media types: Media=35x43cm, 9100x11037, 10781, any
  - Media types: Media=35x35cm, 9100x9087, 8831, Any
  - Media types: Media=11"x14", 7137x9100, 8844, Any
  - Media types: Media=10x12in, 6490x7767, 7511, Any
  - Media types: Media=8"x10", 5167x6490,6234, Any
  - Formatting: Aspect Ratio Mix Page=On, Aspect Ratio Mix Row=On
  - Formatting: Image Size Mix in Std Fmt=On, Image Size Mix Row=On
  - Formatting: DICOM Annotation Box=On, Req.Size Scale=On
  - Formatting: Req. Size Scale=On, Req. Size Mix Page=On
  - Formatting: Req. Size Mix Row=On, Trim=On,
  - Formatting: True Landscape=On, Rotation=On
  - Formatting: Minimize/Crop=On, Tone scaling on Image Basis=On
  - Formatting: Max Img Band=7, Max Band Page=7, Max Img Cols=0
  - Formatting: Max Img Rows=0, Pixel Pitch=25.5910, Min Horiz Sep=4
  - Formatting: Min Vert Sep=4, Trim Width Enabled=4
  - Formatting: Trim Width Disabled=0, Maximum DMAX=3.30
- on Configuration, DICOM SCP, SCP Services, select specific modality, Modify:
  - PLUT=N, TFT/ULUT= Siefl87b.w87 (Always=N)
  - Contrast= 15 (Always=N), Smoothing Type=2 (Always=N)
  - Dmin=0.00 (Always=N), Dam=3.00 (Always=N)
  - NeventReports=No (Always=Y), Warnings=Yes
  - Print Priority=Normal (Always=N), Border=3.99 (Always=N)
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)
  - Sorter Bin=Bin1 (Always=N), Print Date=No, Print Time=No
  - Page Nbr=No, Hosp.Name=No, Modality ID=No
  - Annotation Override=No, Image Resizing=Minimize/Scale (Always=N),
  - Text Box Location=None, Source ID=flc

Special configuration

(see also General Hardcopy Camera Information / Special Configurations and ... / Examples / B.1

- **Additional modality configuration / setting**
  - config file substitute: DICOM01_gen, disable all film sizes except 14INx17IN
  - new DICOM node: different Camera (config file) (e.g. DICOM01_gen) and AET (e.g. DV8900-1)
- **Additional camera configuration / setting**
  - new modality: AET (e.g. DV8900-1) see above
  - special setting: modify film size options,
    Film size = 10INX12IN (always apply = YES)
    (This is different for the new AET only).

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

KODAK DryView 8700 + MIM 200

General information

Block diagram

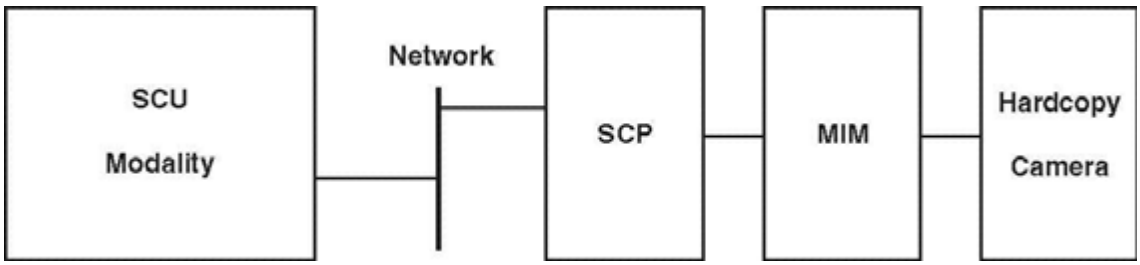

Fig. 15:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Kodak DryView Laser Imaging Film DVB	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The special formats SLIDE and CUSTOM (\101, \102) are not released, disable these formats in the UROSKOP Access configuration (note: MIM 200 is the successor to the PACS Link 9410 and requires the camera config file KODAK_gen instead of IMATION_gen, which does not support special formats. The special formats in KODAK_gen have not been tested with this combination).

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DV8700
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	X	X	n.a.	n.a.
Disable film size	n.a.	**Yes**	**Yes**	n.a.	n.a.	**Yes**	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type	Kodak / laser imager
Device name:	DryView 8700
SW revision:	V 1.26
Image memory:	n.a.
Number of control panels:	1

Device:	Kodak / DICOM Interface (SCP)
Device type:	DICOM Server
Manufacturer/device name:	Kodak / PACS Link MIM 200

HW revision:	n.a.
SW revision:	6.0
Image memory:	256 MB
Hard disk:	4.0 GB
Number of control panels:	1
No./type of input:	1 Network card
No./type of output:	1 Copcil card
Physical network interface:	100/10 Base-T Ethernet, UTP/STP
Network protocol:	TCP/IP
DICOM conformance statement:	MIM Software Version 5.2 August 30, 2002 Doc. 3E5252 Rev. D

SCP / Printer Settings (provided by OEM)

MIM200 Setup:

- On configure, network:
  - Node Name=**MIM**, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On configure, input, network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM9
- On Configure, Destination, Add, Print, Direct, Qualified, 8700, Set:
  - General: Log.Name=8700
  - General: Database Name=8700, Model=8700, Memory=32
  - Media info.: Media=35x43cm, 4096x5223, 5133, blue
  - Output params.: Cmd=SuperSet, Baud=19200, Data=8, Stop=1, Parity=None
  - Output params.: Pixel=12, Header/Line, Transfer=2000 KHz, Acq=60
  - Supported item: Collation=On,Text=On, Tone Scaling=On, Rotation=On
  - Interpolation: No Mag=On, Bilin=On, Repl=On, Cubic Spline=On
  - Format types: Custom=On, Slide=On, Row Symmetric=On
  - Format types: 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 30, 35=On
  - Formatting: Aspect Ratio Mix on Page=On, Image Size Mix in Std Fmt=On
  - Formatting: DICOM Annotation Box=On, Req.Size Scale=On
  - Formatting: Req.Size Mix in Row=On, Trim=On
  - Formatting: Aspect Ratio Mix in Row=On, Image Size Mix in Row=On
  - Formatting: Req.Image Size=On, Req.Size Mix on Page=On
  - Formatting: True Landscape=On
  - Formatting: Max Img per Band=20, Max Band per Page=20, Max Img Col=0,
  - Formatting: Max Img Row=0, Min Horiz Sep=2, Min Vert Sep=2
  - Formatting: Trim Width Enabled=2, Trim Width Disabled=0
  - Formatting: Pixel Pitch=12.8205
  - Image processing: Gray scale=On, Minimize=On, Max Image Dmax=3.1
  - M952 usage: Min H/V Mag=1, Max H/V Mag=64, Min Dmax 952=1.7

- On configure, SCP services, select the specific modality, modify:
  - PLUT=N, Tone Scaling=Perception LUT (Always=Y)
  - TFT/ULUT= Siefl87b.w87 (Always=Y), Contrast (dry)=15 (Always=N)
  - Image Dmin=0.00 (Always=N), Image Dmax=3.00 (Always=N)
  - ICC Profile=Off (Always=N), Modality=OT (Always=N)
  - Body Part=Default (Always=N), Modality Group=6
  - N-event Reports=Off (Always=Y), Warning Status=On
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Conv.Group=1, Gamma Table=1, Smoothing Type=2 (Always=N)
  - Border=Black (Always=N), Film Base=Blue Film (Always=N)
  - Film Size=14INx17IN (Always=N), Film Output Dest=Bin 9 (Always=N)

8700 Plus setup

- On COMM menu: 969 default
- On IMAGE menu: TFT=VER693C0, Dmax=3.00, Contrast=6, Density=14
- On EIB menu: Pixel=12, Header/Line, Port=0, Parity=Enable Even, Timeout=60

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK DryView 8500 + MIM 200

General information

Block diagram

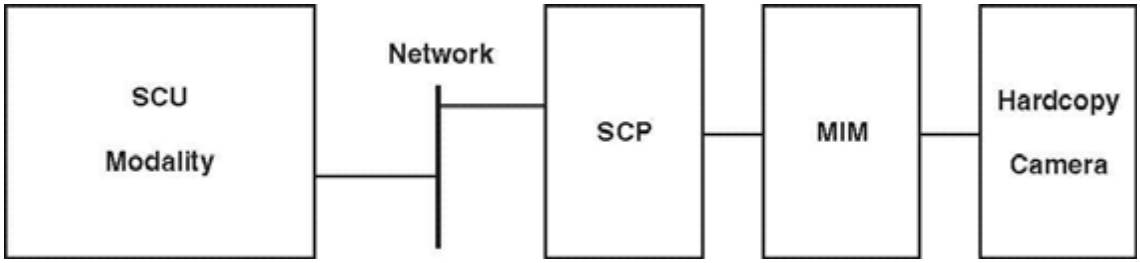

Fig. 16:

Available and released film sizes

Film size	Released	Film type	Medium type
11”x14”	**Yes**	Kodak DryView Laser Imaging Film DVB	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The special formats SLIDE and CUSTOM (\101, \102) are not released, disable these formats in the UROSKOP Access configuration (note: MIM 200 is the successor to the PACS Link 9410 and requires the camera config file KODAK_gen instead of IMATION_gen, which does not support special formats. The special formats in KODAK_gen have not been tested with this combination).

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DV8500
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	n.a.	X	n.a.	n.a.	n.a.	X	n.a.
Disable film size	Yes	n.a.	Yes	Yes	Yes	n.a.	Yes

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes") : Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	Kodak / DryPrinter
Device name:	DryView 8500
SW revision:	V 1.26
Number of operating panels:	1

Device:	Kodak / DICOM Interface (SCP)
Device type:	DICOM server
Manufacturer/device name:	Kodak / Pacs Link MIM200
HW revision:	n.a.

SW revision:	6.0
Image memory:	256 MB
Hard disk:	4.0 GB
Number of control panels:	1
No./type of input:	1 network card
No./type of output	1 Copcil card
Physical network interface, protocol:	100/10 Base-T Ethernet, UTP/STP
Network protocol:	TCP/IP
DICOM conformance statement:	MIM Software Version 5.2 August 30, 2002 Doc. 3E5252 Rev. D

SCP / printer settings (provided by OEM)

MIM200 setup:

- On Configure, Network:
  - Node Name=**MIM**, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On configure, input, network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM9
- On Configure, Destination, Add, Print, Direct, Qualified, 8500, Set:
  - General: Log.Name=8500
  - General: Database Name=8500, Model=8500, Memory=32
  - Media info.: Media=11"x14", 3388x4283, 4193, Blue
  - Output params.: Cmd=SuperSet, Baud=19200, Data=8,Stop=1, Parity=None
  - Output params.: Pixel=12, Header/Line, Transfer=2000 KHz, Acq=60
  - Supported item: Collation=On, Text=On, Tone Scaling=On, Rotation=On
  - Interpolation: No Mag=On, Bilin=On, Repl=On, Cubic Spline=On
  - Format types: Custom=On, Row Symmetric=On
  - Format types: 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 30, 35=On
  - Formatting: Aspect Ratio Mix on Page=On, Image Size Mix in Std Fmt=On
  - Formatting: DICOM Annotation Box=On, Req.Size Scale=On
  - Formatting: Req.Size Mix in Row=On, Trim=On
  - Formatting: Aspect Ratio Mix in Row=On, Image Size Mix in Row=On
  - Formatting: Req.Image Size=On, Req.Size Mix on Page=On
  - Formatting: True Landscape=On
  - Formatting: Max Img per Band=20, Max Band per Page=20, Max Img Col=0
  - Formatting: Max Img Row=0, Min Horiz Sep=2, Min Vert Sep=2
  - Formatting: Trim Width Enabled=2, Trim Width Disabled=0
  - Formatting: Pixel Pitch=12.8205
  - Image processing: Gray scale=On, Minimize=On, Max Image Dmax=3.1
  - M952 usage: Min H/V Mag=1, Max H/V Mag=64, Min Dmax 952=1.7

- On Configuration, SCP Services, select specific modality, Modify:
  - PLUT=N, Tone Scaling=Perception LUT (Always=Y)
  - TFT/ULUT= Siefl87b.w87 (Always=Y), Contrast (dry)=15 (Always=N)
  - Image Dmin=0.00 (Always=N), Image Dmax=3.00 (Always=N)
  - ICC Profile=Off (Always=N), Modality=OT (Always=N)
  - Body Part=Default (Always=N), Modality Group=6
  - N-event Reports=Off (Always=Y), Warning Status=On
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Conv.Group=1, Gamma Table=1, Smoothing Type=0 (Always=N)
  - Border=Black (Always=N), Film Base=Blue Film (Always=N)
  - Film Size=11INx14IN (Always=N), Film Output Dest=Bin 9 (Always=N)

8500 Plus setup:

- On COMM menu: 969 default
- On IMAGE menu: TFT=VER693C0, Dmax=3.00, Contrast=6, Density=14
- On EIB menu: Pixel=12, Header/Line, Port=0, Parity=Enable Even, Timeout=60

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK DryView 8200 + MIM 200

General information

Block diagram

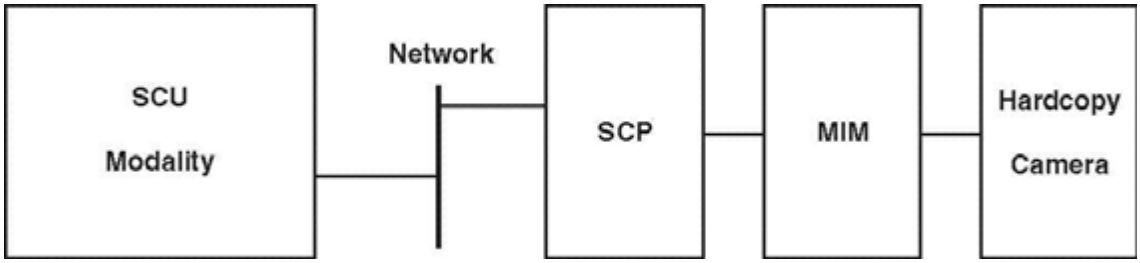

Fig. 17:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	DryView Laser Film	blue-based medium type
14”x14”	**Yes**	DryView Laser Film	blue-based medium type
11”x14”	**Yes**	DryView Laser Film	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Restrictions

n.a.

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DV8200
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	X	n.a.	X	X	X	n.a.
Disable film size	n.a.	n.a.	**Yes**	n.a.	n.a.	n.a.	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes") : Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

The following format entries are not supported and must be deselected:

ALL film sizes	SLIDE

Hardcopy camera, configuration

Identification

Device:	**Printer**
Device type:	Laser printer
Manufacturer/device name:	Kodak/DryView 8200
HW revision:	n.a.
SW revision:	V 3.1
Image memory:	50 MB
Hard disk:	n.a.
Number of control panels:	1 internal keypad
No./type of input:	1 / 10 / 100 baseT Ethernet (crossed network cable RJ45)
No./type of output:	n.a.
Physical network interface:	Ethernet RJ 45

Network protocol:	TCP/IP
DICOM conformance statement:	n.a.

Device:	**SCP**
Device type:	DICOM Print Server
Manufacturer/device name:	Kodak / PACS Link MIM 200
HW revision:	n.a.
SW revision:	V 5.2
Image memory:	min. 128 MB
Hard disk:	min. 6.4 GB
Number of control panels:	1 external keypad + service monitor with keyboard and mouse
No./type of input:	1 / Ethernet RJ 45
No./type of output:	1 / 10 / 100 baseT Ethernet (crossed network cable RJ45)
Physical network interface:	Ethernet RJ 45
Network protocol:	TCP/IP
DICOM conformance statement:	Rev. D Aug 30, 2002

SCP / printer settings (provided by OEM)

MIM200 setup:

- On Configure, Network:
  - Node Name=**MIM**, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On Configure, Input, Network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM9
- On Configure, Destination, Add, Print, Direct, Qualified, 8200, Set:
  - General: Log.Name=8200, IPAddr=100.100.100.40,
  - General: Database Name=8200, Model=8200, Memory=32
  - Media info.: Media=35x43cm, 4361x5223, 5133, Blue
  - Media info.: Media=35x35cm, 4361x4247, 4157, Blue
  - Media info.: Media=11x14in, 3272x4361, 4271, Blue
  - Supported item: Collation=On, Common Text=On, Tone Scaling=On
  - Supported item: Remote Image Deletion=On, Rotation=On
  - Interpolation: No Magnification=On, Bilin=On, Repl=On
  - Interpolation: Cubic Spline=On, Cubic Convolution 2=On
  - Format types: Custom=On, Row Symmetric=On
  - Format types: 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 30, 35=On
  - Formatting: Aspect Ratio Mix on Page=On
  - Formatting: Image Size Mix in Std Fmt=On
  - Formatting: DICOM Annotation Box=On, Req.Size Scale=On
  - Formatting: Req.Size Mix in Row=On, Trim=On
  - Formatting: Aspect Ratio Mix in Row=On, Image Size Mix in Row=On
  - Formatting: Req.Image Size=On, Req.Size Mix on Page=On
  - Formatting: True Landscape=On
  - Formatting: Max Img per Band=20, Max Band per Page=20
  - Formatting: Max Img Col=0, Max Img Row=0,
  - Formatting: Min Horiz Sep=2, Min Vert Sep=2
  - Formatting: Trim Width Enabled=2, Trim Width Disabled=0
  - Formatting: Pixel Pitch=12.8205
  - Image processing: Gray Scale=On, Minimize/Crop=On, Max Image Dmax=3.1
  - SCU: Density Space= On, PLUT Service= On
  - SCU: Curve Shape Tone Scaling=On, Perception LUT Tone Scaling=On
  - M952 usage: Min H/V Mag=1, Max H/V Mag=64, Min Dmax 952=1.7

- At keypad connected to MIM, press Menu, Service Menu, SCP Services:
  - PLUT=N, Tone Scaling=Perception LUT (Always=Y)
  - TFT/ULUT= Ver693c0.w87 (Always=Y), Contrast (dry)=6 (Always=Y)
  - Image Dmin=0.00 (Always=N), Image Dmax=3.00 (Always=N)
  - Smoothing Type=2 (Always=N), Image Polarity=Normal (Always=N)
  - N-event Reports=Off (Always=Y), Warning Status=On
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Minimize/Scale=On, Crop=Off, Text Box Relocation=None
  - Print Priority=Normal (Always=N), Border=3.99 (Always=N)
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

8200 Setup on CONFIGURATION Menu

- On IMAGE QUALITY-> TFT FILES menu: TFT=Ver693c0.w87
- On LOCAL PANEL menu: Contrast=6, Density=3.00
- On DICOM menu: SCU config.: AE=**MIM**, TFT=VER693C0, C=6, Smooth=0
- On DICOM menu: DICOM config.: AE=**NER_ANY**, Port=1025

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK DryView 8100 + MIM 200

General information

Block diagram

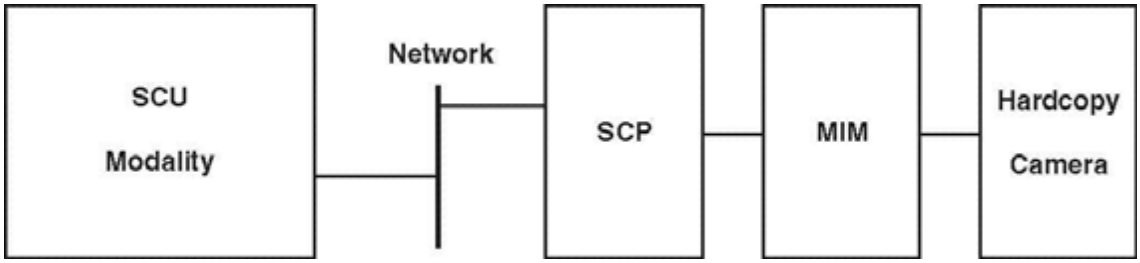

Fig. 18:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Kodak DryView Laser Imaging Film DVB	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The special formats SLIDE and CUSTOM (\101, \102) are not released; disable these formats in UROSKOP Access configuration (note: MIM 200 is the successor to the PACS Link 9410 and requires the camera config file KODAK_gen instead of IMATION_gen which does not support special formats. The special formats in KODAK_gen have not been tested with this combination).

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	DV8100
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size	n.a.	Yes	Yes	Yes	n.a.	Yes	Yes

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes") : Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	Kodak / DryPrinter
Device name:	DryView 8100
SW revision:	V 2.1.2
Number of control panels:	1
Remarks:	Notice of Field Change:NFC No:8100-2 / Rev.:A

Device:	Kodak / DICOM Interface
Device type:	DICOM server

Manufacturer/device name:	Kodak / Pacs Link MIM200
HW revision:	n.a.
SW revision:	6.0
Image memory:	256 MB
Hard disk:	4.0 GB
Number of control panels:	1
No./type of input:	1 network card
No./type of output:	1 Copcil card
Physical network interface:	100/10 Base-T Ethernet, UTP/STP
Network protocol:	TCP/IP
DICOM conformance statement:	MIM Software Version 5.2 August 30, 2002 Doc. 3E5252 Rev. D

SCP / printer settings (provided by OEM)

MIM200 setup:

- On Configure, Network:
  - Node Name=**MIM**, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On Configure, Input, Network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM9
- On Configure, Destination, Add, Print, Direct, Qualified, 8100, Set:
  - General: Log.Name=8100
  - General: Database Name=8100, Model=8100, Memory=32
  - Media info.: Media=35x43cm, 4096x5223, 5133, blue
  - Output params.: Cmd Set=952, Baud=1200, Data=8, Stop=1, Parity=Even
  - Output params.: Pixel=12, Header/Line, Transfer=1000 KHz, Acquire=60
  - Supported item: Collation=On, Common Text=On, Tone Scaling=On, Rotation=On
  - Interpolation: No Mag=On, Bilin=On, Repl=On, Cubic Spline=On
  - Format types: Custom=On, Slide=On, Row Symmetric=On
  - Format types: 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 30, 35=On
  - Formatting: Aspect Ratio Mix on Page=On, Image Size Mix in Std Fmt=On
  - Formatting: DICOM Annotation Box=On, Req.Size Scale=On
  - Formatting: Req.Size Mix in Row=On, Trim=On
  - Formatting: Aspect Ratio Mix in Row=On, Image Size Mix in Row=On
  - Formatting: Req.Image Size=On, Req.Size Mix on Page=On
  - Formatting: True Landscape=On
  - Formatting: Max Img per Band=20, Max Band per Page=20, Max Img Col=0
  - Formatting: Max Img Row=0, Min Horiz Sep=2, Min Vert Sep=2
  - Formatting: Trim Width Enabled=2, Trim Width Disabled=0
  - Formatting: Pixel Pitch=12.8205
  - Image processing: Gray Scale=On, Minimize/Crop=On, Max Image Dmax=3.1
  - M952 usage: Min H/V Mag=1, Max H/V Mag=64, Min Dmax 952=1.7

- On configure, SCP services, select the specific modality, modify:
  - PLUT=N, Tone Scaling=Perception LUT (Always=Y)
  - TFT/ULUT= Siefl87b.w87 (Always=Y), Contrast (dry)=15 (Always=N)
  - Image Dmin=0.00 (Always=N), Image Dmax=3.00 (Always=N)
  - CC Profile=Off (Always=N), Modality=OT (Always=N)
  - Body Part=Default (Always=N), Modality Group=6
  - N-event Reports=Off (Always=Y), Warning Status=On
  - Print Date=Off, Print Time=Off, Page Number=Off, Hosp.Name=Off
  - Modality ID=Off, Annotation Override=Off (Always=N)
  - Print Priority=Normal (Always=N), Image Polarity=Normal (Always=N)
  - Conv.Group=1, Gamma Table=1, Smoothing Type=2 (Always=N)
  - Border=Black (Always=N), Film Base=Blue Film (Always=N)
  - Film Base=Blue Film (Always=N), Film Size=14INx17IN (Always=N)

8100 Setup on CONFIGURATION Menu:

- On SIB board (i.e. external switch below control plugs): SW1=Down
- On COMMUNICATIONS menu:
  - Parity=Even, Stop=1, Data=8, 1200 baud, EOM=CR, Protocol=831/952
  - Mem.Full=BSY, Alarm=Old, Acquire Timeout=90, P1,…,P6=0
- On IMAGE QLTY-> Mag Scaling=Off, Pixel Correct=Off, 952 Override=Off
- On IMAGE QUALITY-> TFT FILES menu: TFT=Ver693c0.w87
- On LOCAL PANEL menu: Contrast=6, Density=3.00
- On SYSTEM menu: Acquire=Digital, Max.Img.Columns=4361
- On DIGITAL menu: Pixel Depth=12, Header/Line, Parity=Even

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK KELP 2180 / PACS Link DPS 2180

General information

Block diagram

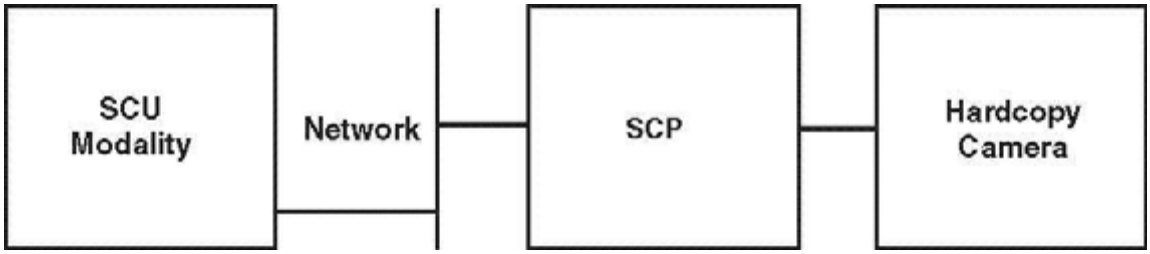

Fig. 19:

Available film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Kodak DHG-10	blue-based
14”x14”	**No**	n.a.	n.a.
11”x17”	**Yes**	Kodak DHG-10	blue-based
8”x10”	**Yes**	Kodak DHG-10	blue-based
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

The following sizes are not released, disable these sizes in the UROSKOP Access configuration:

14" x 14"

11"x14" (the size 11"x14"/**L**, Landscape Orientation, is also possible)

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configuration / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	NER_2180
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	14”x17”	11”x14”	8”x10”	14”x14”	14”x17”	11”x14”	8”x10”
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	X	n.a.	X	X	X
Disable film size	n.a.	**Yes**	n.a.	**Yes**	n.a.	n.a.	n.a.

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	Kodak / Laser Imager
Device name:	Ektascan 2180
SW revision:	rel. 2.17H
HW revision:	n.a.
Number of control panels:	1
Physical network interface:	Optical

Network protocol:	TCP/IP DICOM
Processor module:	Kodak X-OMAT 180 LP processor

Manufacturer / device type:	**Kodak / DICOM interface**
Device name:	PACS Link Dicom print server for 2180
SW revision:	3.0.1 / WIN NT 4.0
Memory:	64 MB
Image memory:	747 MB free disk space
Winchester disk:	2.055 GB
Output:	1 Fiber
Number of control panels:	1
Physical network interface:	1 Ethernet
Network protocol:	TCP / DICOM
DICOM conformance statement:	DICOM Conformance Statement SW Vers. 3.0, 9 June 1999, Kodak Document #2E0383
Keypad version:	4

SCP / printer settings (provided by OEM)

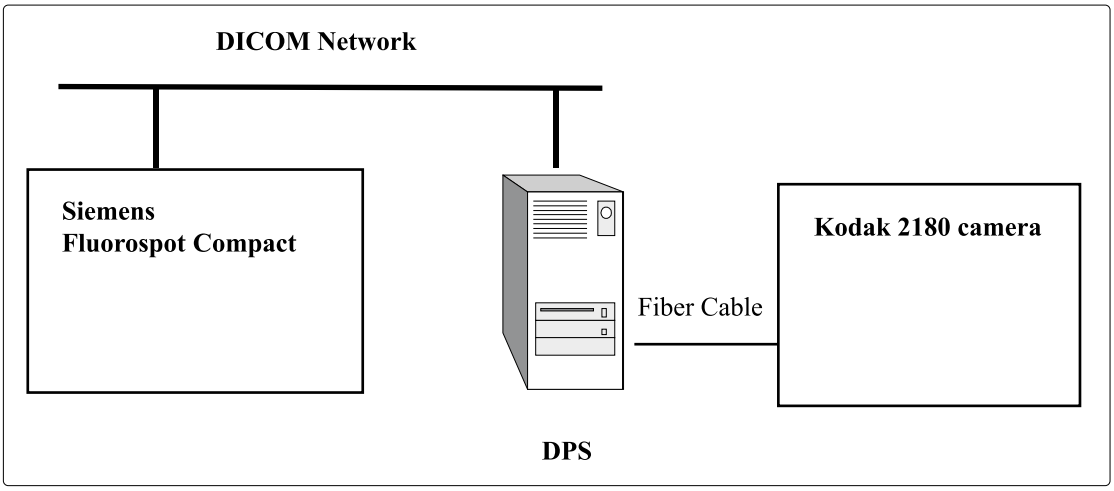

Fig. 20:

Requirements: UROSKOP Access rel. VB, DPS rel. 3.0.1, 2180 rel. 2.17H

DPS Setup:

- On configure, network:
  - Computer Name=e.g. Kodak2180, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On configure, input, network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM5
- On Configure, Destination, Add, Print, Direct, Qualified, KELP 2180, Set:
  - Log.Name=KELP 2180, Memory=24, Node ID=6 or accordingly
  - DICOM Info: Protocol=DICOM 3.0, Service Class=Basic Gray Scale Print
  - DICOM Info: Port Number=5040, AE Title=NER_2180, Timers=100
  - Media info.: Media=35x43cm, 4136x5160, 5038, Any (Blue,Clear)
  - Media Info:Media=35x35cm, 4136x4136,4014, Any(Blue,Clear)
  - Media info.: Media=11x14in, 3240x4136, 4014, Any (Blue,Clear)
  - Media info.: Media=8x10in, 2290x2840, 2718, Any (Blue,Clear)
- At Keypad connected to DPS, press Menu, Default Attributes:
  - Curve Shape=3.0, Film Contrast=0

2180 setup:

- Optical interface board will be configured automatically to 2180, no setup needed

Defaults:

Curve shape	3.0
Contrast	0
Pivot	1.2

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK KELP 1120 / PACS Link DPS 1120

General information

Block diagram

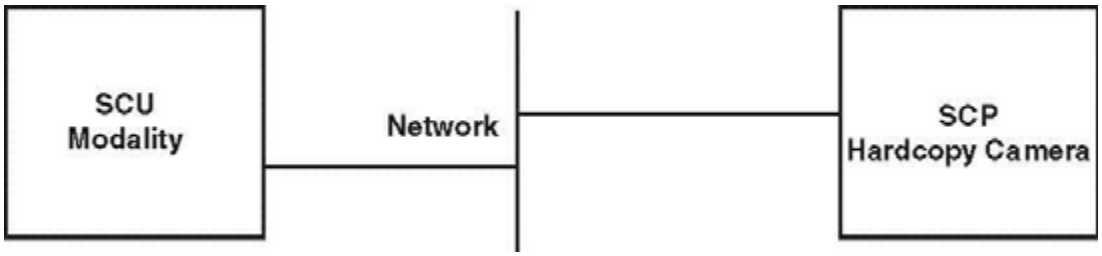

Fig. 21:

Available film sizes

14”x17”	14”x14”	11”x14”	8”x10”
X	n.a.	X	X

X - available **and** released

n.a. - available but not released

Restrictions

The following sizes are not released; disable these sizes in the UROSKOP Access configuration:

14" x 14"

11"x14" (the size 11"x14"/**L**, landscape orientation, is also possible)

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Dicom AET	**NER_1120**
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	X	n.a.	X	X	X
Disable film size		**Yes**		**Yes**			

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes") : Select this size/s and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	**Kodak / Laser Imager**
Device name:	Ektascan 1120
SW revision:	2.40 / 032
HW revision:	CPOI DICOM Interface
Image memory:	56 MB (full configuration)
Number of control panels:	1
Physical network interface:	Optical
Network protocol:	TCP/IP DICOM

Manufacturer / device type:	**Kodak / DICOM interface**
Device name:	PACS Link Dicom print server for 1120
SW revision:	3.0.1 / WIN NT 4.0
HW revision:	n.a.
Image memory:	747 MB free disk space (PC-RAM 64MB)

Winchester disk:	2.055 GB
Number of control panels:	1
Physical network interface:	1 Ethernet
Network protocol:	TCP / DICOM
DICOM conformance statement:	DICOM Conformance Statement SW Vers. 3.0, 9 June 1999, Kodak Document #2E0383

SCP / printer settings (provided by Kodak)

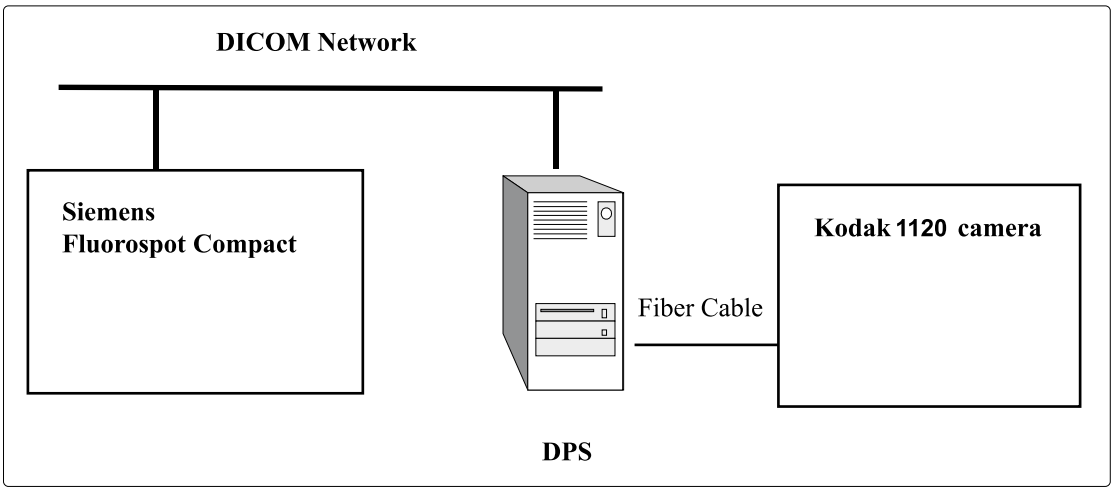

Fig. 22:

Requirements: UROSKOP Access rel. VB, DPS rel. 3.0.1, 112 rel. 2.40/032

DPS Setup:

- On configure, network:
  - Computer Name=e.g. Kodak1120, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On configure, input, network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM5
- On Configure, Destination, Add, Print, Direct, Qualified, KELP 1120, Set:
  - Log.Name=KELP 1120, Memory=20, Node ID=6 or accordingly
  - DICOM Info: Protocol=DICOM 3.0, Service Class=Basic Gray Scale Print
  - DICOM Info: Port Number=5040, AE Title=NER_1120, Timers=100
  - Media info.: Media=35x43cm, 4096x5132, 5009, Any (Blue,Clear)
  - Media Info:Media=35x35cm,4096x4108,3985,Any(Blue,Clear)
  - Media info.: Media=11x14in, 4096x3232, 3109, Any (Blue,Clear)
  - Media info.: Media=8x10in, 2304x2900, 2777, Any (Blue,Clear)
- At Keypad connected to DPS, press Menu, Default Attributes:
  - Curve Shape=3.0, Film Contrast=0

1120 setup:

- Optical Interface board will be configured automatically to 1120, no setup needed

Defaults:

Curve shape	3.0
Contrast	0
Pivot	1.2

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK MLP 190

General information

Block diagram

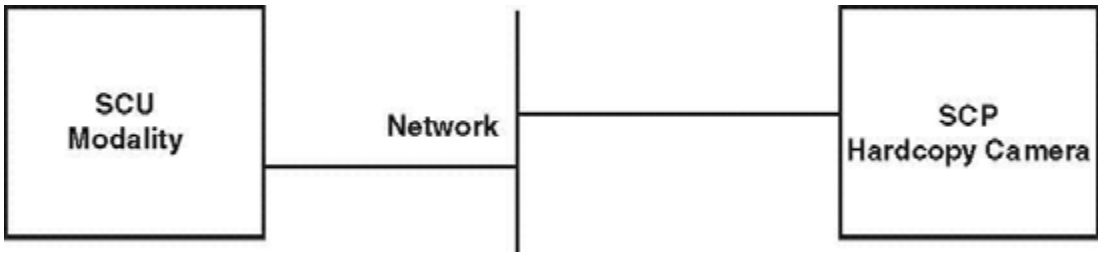

Fig. 23:

Available film sizes

14”x17”
X

X - available **and** released

n.a. - available but not released

Restrictions

For restrictions not related to the HCC, see also the general restrictions in the document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configuration / parameter

Dicom AET	**NERXX**
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size		**Yes**	**Yes**	**Yes**		**Yes**	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	**Kodak / Laser Imager**
Device name:	MLP190
SW revision:	1.7.29
CPU board revision:	02.B023C
Image memory:	30 MB
Winchester disk:	200 MB
Number of control panels:	1
Physical network interface:	Ethernet TP, RJ45, 10BaseT
Network protocol:	TCP/IP
DICOM conformance statement:	Vers. 2.5/1. Jan. 1998/SW: 1.7.29
Processor module:	Kodak X-OMAT 180 LP processor

SCP / printer settings

UROSKOP Access via DICOM with Kodak MLP 190 **(provided by KODAK)**

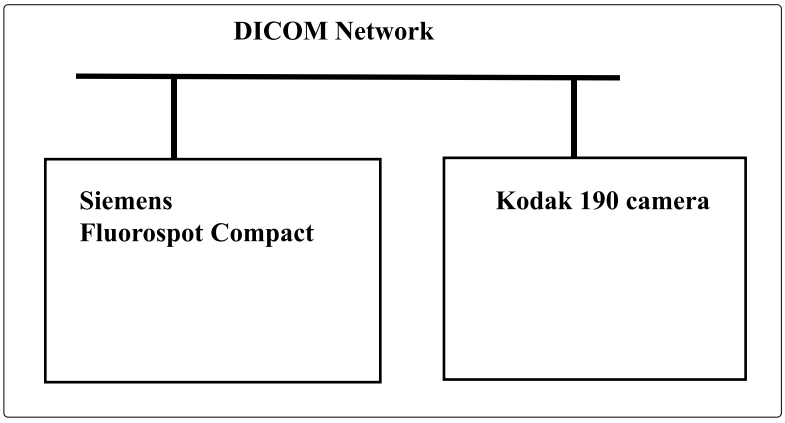

Fig. 24:

Requirements: UROSKOP Access rel. VB, 190 rel. 1.7.29

190 setup:

- On the 190 Control Panel, press Menu, Setup:
- Printer Density=3.00, Curve Shape=3.0, Contrast=0, Contrast Pivot Density=1.2
- IP Address=accordingly, Subnet Mask=accordingly, Gateway Address=accordingly
- Port=5040, Network Node Name=Kodak MLP190, Connection Type=RJ45

Reference film and LUT

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).

KODAK KELI 160 + MIM200

General information

Block diagram

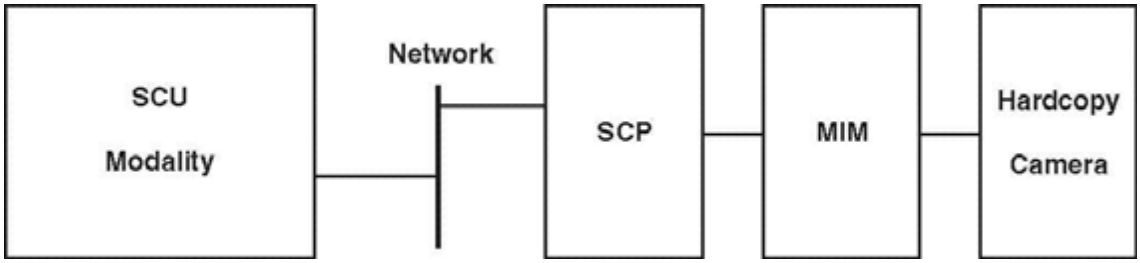

Fig. 25:

Available and released film sizes

Film size	Released	Film type	Medium type
14”x17”	**Yes**	Ektascan IR Laser Imager Film / EIR	blue-based medium type
Other	**n.a.**	n.a.	n.a.

Released: Yes - Film size is available and released

Released: No - Film size is available but not released

Released: n.a. - Film size is not available

Restrictions

n.a.

For restrictions not related to the HCC, see also the general restrictions in document UROSKOP Access, General Hardcopy Camera Information (Restrictions / p. 7).

Modality SW configurations / parameters

Refer to: UROSKOP Access, General Hardcopy Camera Information (Modality + DICOM HCCs / p. 11).

Dicom AET	PACSL_160
Port number	5040
Camera (config file)	KODAK_gen

Disabling film sizes / format

The camera config file contains the following film sizes

Film orientation	Portrait			P/L	Landscape		
Standard film size	**14”x17”**	**11”x14”**	**8”x10”**	**14”x14”**	**14”x17”**	**11”x14”**	**8”x10”**
Camera (config file)	X	X	X	X	X	X	X
Released film size	X	n.a.	n.a.	n.a.	X	n.a.	n.a.
Disable film size	n.a.	**Yes**	**Yes**	**Yes**	n.a.	**Yes**	**Yes**

For every film size which is **not released** (System references / p. 7) **OR** is **restricted** (Hardware components / p. 7) **OR** is **not supported** at the customer site, select this film size and deselect (unmark) **all** formats.

Minimum required (if "Disable Film Size" is marked "Yes"): Select this size/these sizes and deselect all formats.

For every film size format pair which is restricted, refer to (Hardware components / p. 7) and UROSKOP Access, General Hardcopy Camera Information, select this film size and deselect (unmark) **this** format.

Hardcopy camera, configuration

Identification

Manufacturer / device type:	**Kodak / Laser Imager**
Device name:	KELI 160
SW revision:	4.2
Number of control panels:	1 (internal)

Manufacturer / device type:	**Kodak / DICOM interface**
Device name:	MIM 200
SW revision:	3.2
Image memory:	128 MB
Winchester disk:	2 GB
Physical network interface, protocol:	Ethernet, TCP / IP (10/100 BaseT)
DICOM conformance statement:	Kodak Ektascan 160 Laser Imager, MIM Software Version 3.2, Kodak Document #1F0366 Rev. B, May 5, 2000

SCP / printer settings (provided by KODAK)

MIM 200 Setup:

- On Configure, Network:
  - Computer Name=e.g. Kodak160, IPAddr=accordingly
  - Subnet Mask=accordingly, Gateway Addr=accordingly
- On configure, input, network, Add:
  - Protocol=DICOM 3.0, Log.Name=DICOM, Type/Com=Keypad/COM7
- On Configure, Destination, Add, Print, Direct, Qualified, KELI 160, Set:
  - General: Log.Name=KELI 160, IPAddr=100.100.100.30,
  - General: Database Name=KELI 160, Model=KELI 160
  - Media info.: Media=35x43cm, 4361x5348, 5228, any (blue,clear)
  - Image processing: Gray Scale=On, Minimize=On, Max Image Dmax=3.2
  - Formatting: Trim Width when disabled=0
- At keypad connected to MIM, press Menu, Service Menu, SCP Services:
  - N-event Reporting=Y (Always=N), Sorter Bin=9 (Always=N)
  - Tone Scaling=Curve Shape (Always=Y), Curve Shape=574 (Always=Y)
  - TFT/ULUT=don't care (Always=N), Contrast=+0 (Always=Y)
  - P Lut=N, Image Dmin=0.00 (Always=N), Image Dmax=3.00 (Always=N)
  - Basic Gray Scale=Y, Basic Color=N
  - Border=Black (Always=N), Size=14INx17IN (Always=N)
  - Base=Blue Film (Always=N), Priority=Normal (Always=N)
  - Modality=Other (Always=N), ICC Profile=0 (Always=N)
  - Body Part=Default (Always=N)

160 setup: no modality-specific setup needed

Image quality and optical density

Refer to: UROSKOP Access, General Hardcopy Camera Information (Image Quality and Optical Density / p. 25).